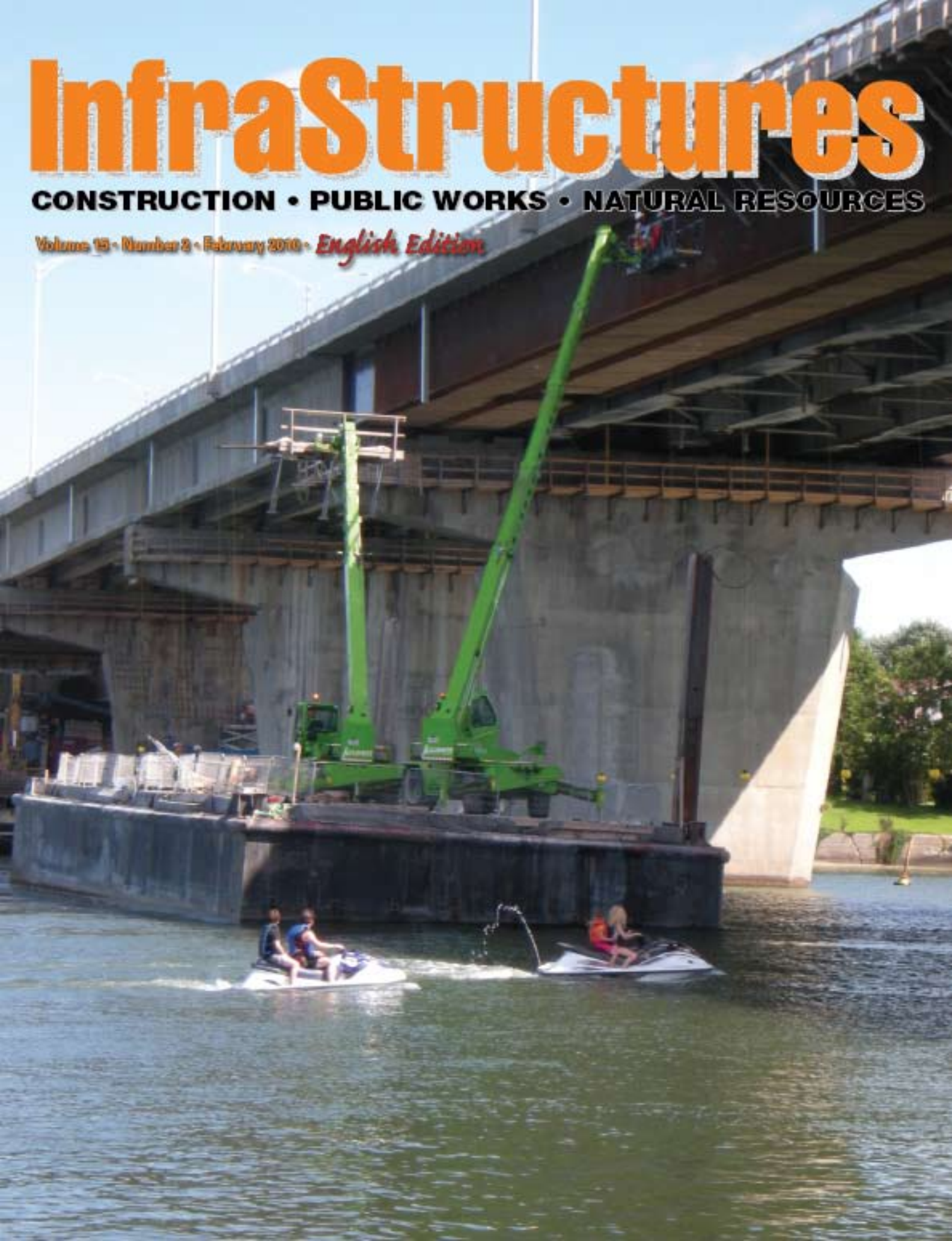


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Volume 15 • Number 2 • February 2010 • *English Edition*



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A Brief Word...

The 2010 equipment season is well and truly underway, with Landscape Ontario firing the "Starting Bang" and National Pavement Expo, World of Concrete, World of Asphalt and bauma coming up fast over the horizon.

InfraStructures is there bringing you the "play-by-play" and analysis as they happen. Our industry has come to expect us to be on the leading edge of innovations and technologies, something our ever growing readership is quick to remind us of when we get the chance to chat to you all at the various events and projects we visit. Between lost luggage and jet lag, we're at it for another year bringing you the news and information that will make the difference to your business' recovery performance.

What I can impart to you in this brief note is the notable sense of comfort and confidence that has returned since this time last year. That isn't to say contractors are not being cautious, but with financial institutions coming to grips with programs and practices, there is a better understanding of the "New Play-Book" we all have to refer to post-2009. Those with sound business plans and robust project management are finding themselves in a much better state of business health. Others have suffered and may not be resurrected until a full-scale boom takes hold again. Sometimes it is better to be a tortoise than a hare.

We've got news from shows, and previews of things to come, and as always our website is jam-packed with articles that we just couldn't put in print. Truth be told, it would be so heavy the "Posties" would refuse to carry it!! Think of your monthly copy as hors d'oeuvre with the main course waiting for you at Infrastructures.com. Just don't overload because there is always more than one course!

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On the cover: this picture was taken during the rebuilding of a bridge over the Richelieu river, near Beloeil, Quebec.

You can see two Merlo Roto 40.25MCSS used on the project by the contractor, Coffrage Alliance.

NEW QUEBEC BRANCH FOR GENREP

Denis Gougeon, branch manager of Genrep Ltd., is pleased to announce the relocation of the Montreal branch. The new branch, inaugurated on February 1st, 2010, is located at 912 Berlier Street, in Laval. This new branch is part of the expansion plan established by Genrep Ltd., as it continues to grow and prosper across Canada.

Genrep Ltd. is a leading assembler, supplier and service provider of Power

Generation and a distributor of Industrial Engine products and services in the Canadian industrial and commercial markets.

Source: Genrep Ltd.

SCHWING GOES ONLINE WITH PARTS

In an effort to better service the needs of its growing customer base, Schwing America has announced the launch of its online parts system, schwingparts.com.

"In today's economy, the need for brick

and mortar facilities has become less essential," said Brian Hazelton, CEO of Schwing America. "We have adjusted our approach to aftermarket parts sales to reflect the desires of our customers." In conjunction with the launch, Schwing will consolidate their factory store locations. Field service technicians will remain strategically located throughout the U.S.

At schwingparts.com, customers have direct access to more than 2000 genuine Schwing parts on line. An easily navigated home page combined with photos, descriptions, and part numbers makes on line parts ordering hassle-free. The shipping matrix allows customers to order parts and ship them to multiple locations. The order tracking system provides real time updates on current parts orders. Schwing's on line system includes parts for their complete line of boom pumps, separate placing booms, stationary pumps, truck mixers, and batch plants. Schwing also has available call center consultants to help customers in the initial stages of their on line purchases.

Source: Schwing America

HILTI RAISES THE BAR WITH THE NEW HILTI ONLINE

Hilti's newly renovated Hilti Online features a fresh, user-friendly design, bringing modern, faster, and easier online shopping to construction professionals. Following nearly two years of development, with input from 20 000 customers worldwide, the new Hilti Online went live in Canada (www.ca.hilti.com) on December 14, 2009.

Hilti customers appreciate the convenience as well as the transparency of ordering Hilti products online. The new site also makes it simple for customers to manage their Hilti Fleet Management tools as well as doing business online with Hilti using their own, company-specific pricing.

The new Hilti Online is a true renovation from the ground floor up, utilizing the latest in leading-edge hardware and software. Hilti incorporated a new search engine powered by Google, making searches more relevant.

Hilti director of E-Business, Philip Robins, states, "The improvements to Hilti Online were based upon direct customer feedback. This allowed us to deliver a high-quality user experience consistent with what our customer's expect from Hilti."

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Hilti Western Hemisphere president and CEO, Cary Evert agreed, saying, "We are excited to launch the renovated Hilti Online for our customers and believe they will find it even more valuable than before."

Hilti E-Business and IT development group partnered with several leading industry providers for the Hilti Online renovation: the design phase partner is Crealogix Interactive Business, a leading supplier of E-Business solutions; the front-end software solution and development is BroadVision, a global provider of personalized self-service web applications; and for the integrated search solution, Hilti utilized the Google Search Appliance.

The new Hilti Online will continue to roll out to all Hilti market organizations worldwide, with a completion date of April 2010.

Source: Hilti, Inc.

AECOM AWARDED CONTRACT FOR EDMONTON'S LIGHT RAIL TRANSIT EXTENSION

AECOM Technology Corporation announced recently that it was awarded a \$20-million contract to provide program management services for the City of Edmonton's Light Rail Transit (LRT) extension from downtown Edmonton to the Northern Alberta Institute of Technology.

The project's total construction value is approximately \$700 million.

The company will provide program management and design services for Phase 1 of the 3 km extension that will branch off the existing underground LRT with approximately 700 m of tunnel section with the remaining distance on the surface. Three new LRT stations will be built at major health care and educational institution destination points.

"We are pleased to have the opportunity to work on this important infrastructure project," said John M. Dionisio, AECOM president and CEO. "We are proud to support the city's efforts to improve accessibility for its citizens and visitors."

Source: AECOM Technology Corporation

AECOM AWARDED MTO CONTRACT TO EXPAND HIGHWAY 7

Aecon Group Inc. announced recently that its Infrastructure Division has been awarded a \$25.8 million contract by the Ontario Ministry of Transportation (MTO) to expand Highway 7 near Ottawa, Ontario.

Under the contract, Aecon Construction

and Materials (ACML) will work closely with Aecon's wholly-owned subsidiary, The Karson Group, to widen Highway 7 from two lanes to four lanes for a 5 km stretch, from just west of Highway 15 to the Highway 417 interchange. For the project, Aecon will construct a new interchange and seven concrete culverts, rehabilitate an existing bridge, as well as perform minor signage upgrades. Work on the project is scheduled to be completed in September of 2011.

"The project demonstrates Aecon's ability to bring a full suite of services to infrastructure projects," said Teri McKibbin, CEO of Aecon's Infrastructure Group. "MTO is a valued, Aecon customer and both the ACML and Karson teams look forward to working on this project together."

Source: Aecon Group Inc.

SNC-Lavalin awarded contract for potash process plant expansion in Saskatchewan

SNC-Lavalin is pleased to announce

Real Power's Truck-Mounted AC Generators Gaining Traction with Fleets

Real Power® announced recent sales growth that it attributes to an increased demand from fleets.

"Fleets are utilizing Real Power technology to bring up to 180 kVA of AC power to remote work sites to operate power-hungry equipment and to bring emergency power to critical-care medical clinics," said Chris Gray, sales manager for Real Power. "Organizations are seeing new potential for vehicles they are already operating or are considering purchasing."

Vecoplan, LLC, a worldwide leader in shredding technologies and complete recycling systems, recently chose Real Power generator systems to operate shredding mechanisms on the most powerful mobile document destruction equipment on the market.

The operator of a leading nationwide network of dialysis facilities also recently chose Real Power chassis-integrated generators as part of its plan to keep clinics up and running during power outages and related natural disasters.

When a power outage occurs, Real Power-equipped delivery vehicles serving clinics in Chicago and other major metropolitan areas can be immediately deployed. The vehicles and selected clinics have been equipped with a simple-to-use cable interface; the vehicle is parked, cables are connected and a dashboard switch is flipped. Network staff members can perform the hook-up operation themselves and no electrician is needed.

With a diesel fuel capacity of 200 gallons, the trucks can arrive at the site ready to generate power for 48 hours or more without the need for refueling. Unlike traditional auxiliary generator sets that require fuel to be brought to them, the trucks can be driven to the nearest operating fuel station or can be refueled on-site.

"Before now, if you needed AC power delivered to a remote location or for an emergency, your choices were very limited," Mr. Gray said. "For smaller power needs, you could haul around a portable generator or tap into an unreliable inverter-based system. And for larger power requirements, you could have a large gen-set delivered to your location."

Mr. Gray noted that organizations with fleets have begun to choose Real Power over large generator sets because Real Power means one truck, one fuel source and maintenance that is as close as the nearest truck service bay.

Source: Real Power/Contour Hardening Inc



Booth 4210

that, in joint venture with PCL Industrial Management Inc. (PCL), it has been awarded a contract by Agrium to provide engineering, procurement and construction (EPC) services for the Vault Potash Project in Vanscoy, Saskatchewan.

The reimbursable EPC contract will be completed in several phases. Work will begin immediately and is scheduled for completion in 2014.

The work involves the expansion of

Agrium's existing Vanscoy underground potash mine, production hoist, concentrator and infrastructure to increase the production capacity to 2,8 million t/y. The infrastructure includes a 132 kV substation, a tailings management area and a rail spur.

"This contract award attests to SNC-Lavalin's strength in executing and managing large projects, and its commendable expertise in potash projects," said Feroz Ashraf, executive vice president, SNC-

Lavalin Group Inc. "We have completed other successful projects with PCL, and we are looking forward to working with them again, and with Agrium, on this one."

Source: SNC-Lavalin Group Inc.

BURNABY SCHOOL DISTRICT INSTALLS CARMANAH SOLAR TECHNOLOGY

Burnaby School District (no. 41) is outfitting two newly-constructed school buildings with rooftop solar power systems from Carmanah Technologies Corporation in an effort to meet sustainability objectives. The decision to install the photovoltaic array will bring the school district closer to realizing LEED (Leadership in Energy and Environmental Design) certification for both buildings. LEED certification is a distinction given to buildings and facilities that meet a set of environmentally sustainable standards in construction for which the installation of alternative energy options and eco-friendly infrastructure is a requirement.

According to Burnaby School District Facility Services director, Phil Shepherd, the benefits of the Carmanah grid-tied photovoltaic systems are expected to go beyond building certification and a reduced monthly electrical bill. "The arrays will not only act as a utility source, but also as an instructional tool for our students. Along with other components such as a demonstration green roof, storm water management, high-efficiency heating plant, and digital environmental controls, they will be viewed and shared by our students and the communities." Performance-monitoring will be included in the installation with the intention of integrating study of the solar system's function and performance with the school's curriculum.

Once completed, the Brantford Elementary site located in Central Burnaby and the UniverCity Elementary site located at Simon Fraser University, both in British Columbia, will be equipped with 18 kW and 13 kW roof-top solar array respectively, with combined electricity production estimated at 33 000 kWh of energy per year. The Simon Fraser location will be the first LEED Gold retrofit-certified school site in British Columbia. The new solar arrays will be installed during the spring and summer of 2010, and are expected to be fully operational in time for schools to reopen in September of that year.

Source: Carmanah Technologies Corp.



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ALSTOM LAUNCHES ALSPA® SERIES 6 IN NORTH AMERICA

Alstom's Energy Management Business (EMB), which provides integrated automation and control solutions for efficient and flexible energy management and infrastructure, announced recently that it is offering its ALSPA® Series 6 solution to customers in the North American energy market.

North American energy stakeholders are exposed to the challenges of a new and demanding energy environment that includes a rapidly increasing proportion of variable renewable energy, increasing demand for flexibility, complexity of distribution, and need for real-time information across the energy chain. ALSPA Series 6 end-to-end infrastructure fosters inter-operability between all energy players (IPPs, ISOs, RTOs, electric power generation companies, etc.), integrating power plant Distributed Control System (DCS) and automation technology to the smart grid—from power generation to demand entities such as “energy-positive buildings” (i.e., buildings that create more energy than they use).

Designed for all types of power plants—hydro, coal, gas, nuclear, wind and solar—ALSPA Series 6 provides all the necessary software applications, IT control layers, equipment and services that power providers and service operators require. Such a comprehensive product offering allows energy providers to integrate operation, management, maintenance, automation, and safety functions.

Source: Alstom

ALL ERECTION & CRANE RENTAL INTRODUCES 3D LIFT-PLANNING TOOL

ALL Erection & Crane Rental Corp. introduces the newest in its arsenal of lift-planning tools, increasing safety and improving productivity at the same time. The 3D Lift Plan Internet-based application, developed by A1A Software, is a true 3D lift-planning and crane selection application that will be available on all onboard crane computers in the ALL fleet.

The accurate and precise 3D application allows the planning of complex, multiple-crane lifts, even including tower cranes. With the increased ability to calculate and view every detail, ALL's lift-planning experts can find the most economical crane and rigging configurations for a specific pick, plan around obstructions on a jobsite,

and view the site from all angles, saving time and increasing efficiency on the job. Most importantly, thorough lift planning improves lift safety by improving foresight and real-time lift accuracy.

Lift-planning service is free to ALL customers. Because planning a lift is so important, ALL's experienced sales staff, operators, drivers, and service technicians stand ready 24 hours a day to provide assistance.

Source: ALL Erection & Crane Rental Corp.

MERRYMAN EXCAVATION PARTNERS WITH BID2WIN SOFTWARE

Woodstock, Illinois-based construction firm Merryman Excavation has recently partnered with BID2WIN Software Inc. to standardize their estimating, bidding and field tracking.

As one of the leading contractors in the Midwest, Merryman Excavation has earned a reputation for exceeding client expectations on even the most complex jobs, with services including underground utilities, earthwork, and municipal, commercial and residential site development.

RunWise® Hydraulic Hybrid Technology Dramatically Improves Fuel Efficiency

Parker Hannifin Corporation recently announced commercial commitment for its new hydraulic hybrid technology system, which dramatically increases fuel efficiency for Class 8 refuse trucks even as it improves drivability and performance.

The RunWise® Hydrostatic technology performed so well in South Florida field trials last summer that the communities of Hialeah, Miami-Dade County, and the City of Miami chose to upgrade their refuse collection fleets and purchase a total of 11 Autocar E3 trucks with the new RunWise® technology. Delivery is expected in mid-year 2010.

“These orders build on our ongoing development and commercialization of our unique hydraulic hybrid technology platform and demonstrates the adaptability of our technologies to different vehicle classes,” said Jeff Cullman, group president, Hydraulics for Parker Hannifin. “A variation of this technology platform has already received commercial scale orders for use on walk-in delivery vehicles. We are particularly pleased to see our public agency partners lead the way in recognizing the benefits that this technology can bring in terms of lower operating costs and reduced environmental impact.”

Vance Zanardelli, manager of Parker's Energy Recovery business unit, added, “This is a technology that holds great promise as a contributor to reduced environmental impact and increased fuel efficiency. We are on the cutting edge of advancements in hydraulic hybrid technology, which has application not only in refuse trucks and delivery vehicles but also for yard hostlers and city buses.”

RunWise features proprietary software that allows for seamless shifting and smoother braking, improving drivability. During a full month of testing in South Florida, the RunWise system registered a 72% improvement in fuel efficiency. On an annual basis, the green technology reduces each truck's carbon footprint by an estimated 28 tons along routes with frequent stops. In addition, the technology extends the brake maintenance period for each truck from every 6 months to once every 24 months to even 30 months depending on duty cycle.

The system is in pre-production. Full production is expected in 2011.

Source: Parker Hannifin



Bauma 2010 A5, 231/334
ext. FGL.HOF A4-A5, 135

Merryman Excavation is dedicated to completing projects within budget and ahead of schedule – so when it came time to invest in new estimating, bidding and field tracking software, the company knew that they needed to find a solution that would meet their high standards.

"We chose to partner with BID2WIN Software because we believe that standardization is the key to efficiency. BID2WIN and BUILD2WIN are built on all Microsoft standards, with the most important being SQL Server," explains Tim Foerster, IT manager at Merryman Excavation.

Merryman Excavation was also particularly interested in BUILD2WIN's browser-based interface, having previously used a custom field tracking program which had to be installed locally on all machines. As the first browser-based solution of its kind, BUILD2WIN eliminates the logistical headaches that come with a locally installed program – such as foremen having to bring their laptops into the office each time the software needed to be updated. Unlike competitive systems, BUILD2WIN requires no "transfer" or "synchronization" of information to and from the field, and no installation or maintenance of software on field computers.

Source: BID2WIN Software Inc.

TEREX AGREES TO SELL MINING BUSINESS TO BUCYRUS

Terex Corporation recently announced that it has signed a definitive agreement to sell its mining business to Bucyrus International Inc., for \$1.3 billion in cash. The products to be divested by Terex in the transaction include hydraulic mining excavators, electric drive mining trucks, track and rotary blasthole drills, and the highwall miner, as well as the related parts and aftermarket service businesses, including the company-owned distribution locations. The transaction, which is subject to customary regulatory approvals, is expected to close in the first quarter of 2010.

"This transaction accelerates the

transformation of Terex Corporation as we move from a Construction and Mining Equipment Company to a Machinery and Industrial Products business," said Ronald M. DeFeo, Terex chairman and CEO. "Going forward, we will focus on products and services where we can maintain and build superior customer propositions with high returns on capital for our owners."

Mr. DeFeo emphasized: "The sale of Mining to Bucyrus is good for customers, team members and shareholders. It is a classic proposition that strengthens the

mining business for its customers and team members. For Terex, the attractive cash offer provides us excellent financial flexibility, as our cash balance will substantially equal our outstanding indebtedness. The approximately \$1 billion of after-tax proceeds will allow Terex to invest in its current, high return-on-capital businesses, or to look to add new, well positioned niche manufacturers with strong market presence to the company's portfolio.

Mr. DeFeo continued, "Mining is a highly capital intensive business. It would take us

SAKAI Offers Full Line of Light Compaction Equipment

SAKAI America now offers their light equipment line, which consists of rammers, plate compactors, and a walk behind roller, single drum and double drum vibratory rollers to contractors, dealers and rental houses in North America.



"We are very excited to offer our new light equipment line directly to rental houses and contractors across North America," says Shane Sirmons, operations manager for SAKAI America. "This expansion of our compaction line will broaden our reach and give our customers a large variety of compaction equipment to choose from in order meet their project needs."

Sakai manufactures and markets a full line of compaction equipment, including vibratory soil compactors, vibratory asphalt rollers, vibratory pneumatic tire rollers and static three-wheelers and other combination rollers.

Source: Sakai America Inc.

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years to build the infrastructure to service and support new equipment sales in many of the key mining markets around the world where Bucyrus already has significant presence. We are confident that both companies' stakeholders will benefit from the transaction, with our mining customers being the ultimate beneficiaries. The journey to make this a great business will accelerate under the leadership of Bucyrus, which has a historically strong presence in surface mining with its rope shovel and dragline products."

Source: Terex Corporation

ATLAS COPCO TO ACQUIRE QUINCY COMPRESSOR

Atlas Copco has agreed to acquire Quincy Compressor from EnPro Industries, Inc. The acquisition supports Atlas Copco's profitable growth in North America and China, adding a strong brand and an extensive distributor network. The acquisition is subject to regulatory approvals.

Quincy Compressor designs and manufactures reciprocating compressors, rotary screw compressors and vacuum pumps, primarily under the Quincy brand. Atlas Copco plans to further develop the Quincy brand independently, in line with the Atlas Copco Group's well established brand portfolio strategy.

Quincy was founded in the 1920s and is headquartered in Bay Minette, Alabama. It has manufacturing facilities in the United States and China. The products are sold through a network of independent distributors and agents. More than three quarters of the sales are in the United States.

The acquisition is carried out by Fulcrum Acquisition LLC, a subsidiary of Atlas Copco North America LLC, and Atlas Copco (China) Investment Company Ltd., buying Quincy from EnPro's subsidiary Coltec Industries, Inc. The company expects the transaction to close in the first quarter of 2010. Fulcrum will change its name to Quincy Compressor LLC once the acquisition is completed.

Source: Atlas Copco

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Rislone® Product Family Keeps Engines Clean, Powerful and Smoke-Free

Rislone® Engine Treatment has been North America's best-selling engine oil treatment for more than 80 years. Expanding on the success of this flagship product, Rislone now offers vehicle owners in Canada a full line of proven engine oil solutions.

These products have solved engine oil problems in millions of vehicles in the United States and are now available for the first time in Canada.

Rislone Inc. offers a full line of premium automotive chemicals to the Canadian market. Its flagship product, Rislone Engine Treatment, has been North America's best-selling engine treatment for more than 80 years.

Source: Rislone Inc.



Michelin Introduces X One Retread for Refuse and Urban Applications

Michelin Retread Technologies (MRT) expanded its retread offering for its X One wide single truck tires today by introducing the MICHELIN® X One® XZU® S Pre-Mold™ Retread. The new retread will enable refuse fleets and other urban, high-scrub or regional application vehicles to realize the benefits of both a retread and a wide single tire.

"The X One XZU S tire has become a very popular tire in the urban and regional applications, especially for refuse vehicles," said Tom Brennan, vice president and director of MRT. "Fleets have seen the advantages of X One tires and can now take full advantage of the X One XZU S retread to further reduce their operating costs."

The X One XZU S retread is now available as a Pre-Mold Retread in a 390/430 tread size. The retread features long tread life and outstanding scrub resistance with 23/32 in original tread depth of an application-specific compound. The retread uses Michelin Co-EX technology—a two-layer compound designed to minimize casing temperature for longer casing life—and features a wing tread design for added protection on the shoulders.

While the tread design is optimized for all-weather traction, enhanced protection against stone drilling is also provided by variable pitch groove walls and groove bottom protectors in all grooves. When used in urban regional operations, Michelin X One wide single tires, featuring Infini-Coil™ Technology, provide optimized weight savings and significant fuel savings.

Source: Michelin North America



Bauma 2010 A6, 421/518
ext. FGL.HOF A6, 190

Aggreko Equipment Hitting the Slopes in Vancouver

With hours to go until the Opening Ceremony for the 2010 Winter Games, Aggreko, the global leader in temporary power generation, temperature control and oil-free compressed air solutions, has dozens of technicians on the ground in Vancouver, installing and fine tuning equipment at the venues for the big event. As the Official Supplier of Temporary Power and Temperature Control Solutions, Aggreko will support BC Hydro, the primary provider of clean hydro-electric energy, by providing temporary power, heating and cooling equipment at all of the Vancouver and Whistler venues throughout the Games. These venues include: the BC Place Stadium for the Opening and Closing Ceremonies; various celebration sites; the Main Media Centre; the Whistler Broadcast and Press Centre; the Olympic and Paralympic Villages in Vancouver and Whistler; and all competition venues.

"The Olympic Games are the epitome of



sporting events, with a worldwide audience in the billions," said George Walker, president, Aggreko North America. "The elements that are Aggreko's responsibility – designing and installing temporary power distribution, cooling and heating infrastructure – are crucial to the overall success of the event. We've been working with the event organizers and BC Hydro for

more than a year to coordinate all of our efforts, and now it's time to put that plan into action."

The Vancouver Olympic Winter Games represent the largest temporary heating project in Aggreko's history, with 90% of the heating requirements used for snow-melting applications. By January, more than 2700 pieces of Aggreko equipment had been installed by the 85-strong Aggreko crew, including 40 MW of electric heaters, 90 MW of stand-by and primary generators and power distribution, and 400 km of cable.

Aggreko's presence at the Vancouver 2010 Olympic Winter Games requires extensive coordination and expertise. Aggreko will provide stand-by power at the International Broadcast Centre (IBC). In addition, Aggreko will provide the main power supply to the opening and closing ceremonies and medal ceremonies at BC Place. At the UBC Thunderbird Arena, which is hosting the opening round of the ice hockey competition, Aggreko is working with organizers to convert a practice rink into a temporary locker room and office space infrastructure. In addition, nearly all of the mountain venues are temporary, requiring huge amounts of heat – primarily to melt snow to prevent it from collecting on the roofs of temporary structures and endangering them.

Aggreko has a wealth of experience providing power and temperature control to the most high profile events in the world, including eight Olympic Games, the U.S. Presidential Inauguration, the Ryder Cup and the Daytona 500.

Source: Aggreko

CAN bus Input to 4 Analog Signal Output I/O Control – Programmable with Electronic Assistant®

Axiomatic announces the release of a new CAN bus I/O control with 4 analog signal outputs, part number AX030500. This controller is part of a growing line of compact rugged distributed I/O controls packaged for harsh operating environments such as power generation and off-highway equipment.

The Electronic Assistant® (EA) runs on any modern PC with the Microsoft Windows® 2000 operating system or higher. It comes with a royalty-free license for use.

With connection to the bus, the EA finds all the devices on the bus, and recognizes the Axiomatic controls. The user can quickly configure an Axiomatic control for its desired performance over a wide variety of applications. An Axiomatic CAN Assistant – Scope and Visual is also offered to monitor CAN messages in text and graphical formats. The CAN tools are useful PC-based diagnostic and debugging tools for J1939 networked devices.

Axiomatic provides electronic machine controls, components, and systems to the off-highway, military, power generation, material handling and industrial OEM markets.

Source: Axiomatic



Baumga 2010 A3, 569/666

XSPlatforms Announces a New Dealership in Fall Protection

XSPlatforms and Guardian Fall Protection are proud to announce a new and dynamic dealership in fall protection. Cost-effective, permanent lifeline solutions are now available throughout the United States and Canada.

As an official XSPlatforms dealer, Guardian Fall Protection will distribute all XSPlatforms fall protection products, including the entire XTS product line. The XTS product line combines various types of anchorage points with horizontal lifeline systems that can be installed on the most common types of insulated roofing with a membrane. Guardian Fall Protection will also distribute the complete range of XTP Guardrails. These versatile guardrails are available in three versions, namely straight, curved and collapsible. They fit various types of roofs without damaging the roof structure.

Guardian Fall Protection manufactures fall protection gear primarily for the construction and roofing industries. Guardian Fall Protection is known for its reliable, high-quality products, its innovation and its responsive service.

XSPlatforms designs, constructs, assembles and operates systems for physical facade access in high-rises. The systems are made to measure, turnkey (if necessary), installed worldwide and in accordance with all relevant legislation. XSPlatforms is the specialist in external access to innovative architecture and complex building structures.

XSPlatforms has more than fifteen years experience in the field of safe working at heights. The company produces facade



maintenance systems and access structures, fall protection systems, cradles and scaffolding.

We train users, perform risk inventories, work in accordance with ISO 9001 and provide consultancy services from 24 branches in Western Europe, Asia, the Middle East and North America.

Source: XSPlatforms BV

Introducing Extra Large Hoist Cars for the Alimak 650

With the introduction of the fully modular Alimak Scando 650 construction hoist at bauma 2004, and the high-speed model in 2007, Alimak Hek set a new industry standard for improved performance,

durability and intelligent control.

The new Alimak Scando 650 FC-XL features internal car lengths up to 5 m, a width of 2 m and heights up to 2,8 m, it surpasses all existing standard construc-

tion hoists on the world market operating on a single mast.

Easy-Laser Shaft Alignment System

Looking for a simple, reliable and cost-effective measuring system for the alignment of horizontally-installed machines? The Easy-Laser® D450 is focused on bringing simplicity



to the user, all parts included in the system are designed and developed for rough use and are easy to mount on to the machines. Step-by-step instructions on the display through the entire measurement procedure and the simple measurement principle is based on the "reverse indicator method" with two laser/measuring units mounted on each side of the coupling.

This system includes two measurement programs: Horizontal shaft alignment and Softfoot. The displayed measurement resolution can be set as low as 0,001 mm. When the measurement is complete you can produce a printout, save in the display unit or transfer the data to your PC.

The Easy-Laser® D450 is a base system, with the performance and potential for expansion of our more advanced ones with the available accessories.

Source: ITM Instruments Inc.



The Alimak Scando 650 FC-XL eases transportation of long facade elements or other bulky materials in the hoist car. By using a lift truck or a board transit bench the loading and unloading of bulky materials can be done easy and ergonomically.

Source: Alimak Hek

bauma 2010 F11, 1102/8

10 Ways Fleet Maintenance Software Can Help Manage Cost and Boost Profitability

*Jeff Parietti, Kenworth Truck Company
Special Collaboration*

Truck fleets with their own maintenance shops are under increasing pressure to maximize mechanic and technician productivity and minimize parts inventories, particularly in the current challenging economy. By accomplishing these objectives, companies stand a better chance of gaining a competitive advantage and boosting profitability.

"Gathering and sorting through a myriad of information to achieve those objectives, while still directing day-to-day operations, remains one of the biggest challenges facing fleet maintenance directors and shop supervisors," said John Wisdom, director of customer systems for Kenworth PremierCare® Connect. "A good maintenance management program can help. It allows managers to track the time taken by mechanics or technicians to perform tasks, such as preventive maintenance and general repairs. Users can also track parts purchasing and inventory so that their shops don't carry more parts than needed."

A robust system should provide the same functions offered by Kenworth PremierCare Connect, which is available through Kenworth dealers. It should allow users to establish an automated

parts reorder process and help track costs through American Trucking Associations vehicle maintenance reporting standards (VMRS) codes. The Kenworth PremierCare Connect system can track work histories on specific units, enabling mechanics to more accurately diagnose issues and avoid costly repeat or unnecessary repairs. The system also tracks warranty periods and recalls, so that companies can recover reimbursements from manufacturers or suppliers quickly.

Unlike the Kenworth PremierCare Connect system, most maintenance programs are offered as stand-alone software, which may require users to make expensive upgrades to their computers or existing networks. Required upgrades may add a significant delay to the implementation process. While providers of such software are starting to offer hosted solutions, users should consider how much experience they have in offering those hosted solutions.

Experienced providers often offer training options and extensive online user manuals that allow employees to train at their own pace, he added. For example, Kenworth PremierCare Connect offers an online library of more than 60 training videos for users. With the video library, employees can be trained to step in for co-workers who leave or go on vacation. Companies should also find out how much application and technical support they will receive after system installation and activation. Kenworth offers both application and technical support services as part of the program's monthly fee. With PremierCare Connect, that support is enhanced by Kenworth's extensive dealer network.

Fleet maintenance software should be

scalable, allowing users to add functions that make sense for their maintenance shops. Kenworth PremierCare Connect has a module that lets mechanics or technicians scan in work orders so that managers can review their time on and off the job to the nearest minute. PremierCare Connect has a mileage upload module to retrieve vehicle mileage readings from fleet management systems from providers, such as Qualcomm or PeopleNet. Connect provides optional tethered or portable bar code scanners and a bar code label printer for shops to track parts inventory by scanning data into the computer instead of manually inputting the information.

Based on the successful experiences of Kenworth PremierCare Connect users, John Wisdom offers these top 10 ways a



fleet maintenance program with add-on features can help fleet managers and shop supervisors manage costs in their shops and boost profitability for their companies:

MAXIMIZE EQUIPMENT UPTIME

Fleet maintenance software should allow users to create maintenance schedules so that shop supervisors and fleet managers can coordinate repairs and routine maintenance. This helps work to be completed on time and minimizes vehicle time spent in the shop.

MANAGES PARTS INVENTORY ACCURATELY

This function reduces on-hand inventory and inventory shrinkage by helping shops maintain an accurate physical inventory. Once shops complete an accurate physical parts count, users can maintain that accuracy by tracking when parts arrive and when they are taken out of inventory and issued to specific work orders. By adding optional tethered or portable bar code scanners and bar code label printer, shops can further automate this process, noted Mr. Wisdom.

MANAGES AND TRACKS THE COST OF PARTS

Managers can control parts costs with a fleet maintenance management software to eliminate duplicate orders, track special parts orders, or compare a part's current cost to its cost when last ordered. With a robust system like Kenworth PremierCare Connect, managers can see who created the purchase order and which supplier was used so that they can identify and correct any potential issues before their companies are billed. If the maintenance management system is connected to a parts supplier, like PremierCare Connect, the parts supplier may offer special rebates for purchases made through that system.

PROVIDES AN AUTOMATED PARTS REORDER PROCESS

Systems like Kenworth PremierCare Connect offer minimum/maximum settings that allow users to maintain a steady supply of parts critical to the company's everyday operations. It also helps users control parts inventory costs. The automated system can be set to always keep any number of critical parts in shop inventory. When a part is issued to a work order, the system places an order with the shop's dealer to replenish the stock to the predetermined level. The system can be set to require approval for parts orders when the number of parts in inventory reaches a certain level. The system can also suggest a reorder quantity based on past ordering patterns.

ANALYZES AND TRACKS COSTS BY VMRS CODES

The system should come preloaded with the American Trucking Associations VMRS codes. This allows managers to quickly compare and analyze the cost of

parts by component or repair type, such as brakes, engine or air conditioning, said Mr. Wisdom.

PROVIDES EQUIPMENT COST TRACKING REPORTS

Look for a fleet maintenance management program that offers reports and interactive screens providing managers fast and easy analysis. Reports and interactive screens in the Kenworth PremierCare Connect system help managers investigate cost details of internal repair work orders and analyze 12-month equipment costs. Managers can view work order histories, as well as labor and parts histories.

MANAGES FUEL COSTS MORE EFFECTIVELY

Managers can take control of one of their top vehicle expenses by comparing fuel costs from different suppliers for the same vehicle, noted Mr. Wisdom. Kenworth PremierCare Connect offers an optional feature that enables managers to capture fuel costs by fuel type. The feature can produce reports showing cost-per-mile based on vehicle mileage readings, and list fuel purchases by state or province to assist in fuel tax reporting.

PROVIDES FREQUENT UPDATES TO MILEAGE READINGS

This add-on feature allows users to upload vehicle mileage readings from a fleet or fuel management system provider, said Mr. Wisdom. The feature improves the accuracy of mileage-dependent reports, such as "maintenance due" and "cost per reading", because it eliminates the need to manually enter mileage data and provides more timely updates. These updates give a shop greater flexibility in scheduling maintenance for the company's vehicles. It also helps fleets avoid costly downtime

since preventive maintenance services and mandatory inspections are kept current.

CAPTURES MECHANICS TIME ON ASSIGNED JOBS QUICKLY AND ACCURATELY

By adding this feature to a fleet maintenance management program, service technicians can scan in work orders and managers can compare actual job times with estimated completion times. Since the work orders are scanned instead of manually entered into the system, managers can more accurately monitor productivity and address issues that slow shop operations. This feature allows managers to monitor shop work at a macro level, while looking for exceptions. The system then allows

Truck fleets, such as Service Rock Products in Victorville, California, and Zimmerman Truck Lines in Mifflintown, Pennsylvania, use Kenworth PremierCare Connect to help enhance productivity.



them to dig down further and examine those exceptions on a micro level – job-by-job or time entry-by-time entry.

PROVIDES INTEROPERABILITY WITH ACCOUNTING SOFTWARE

This add-on feature increases user productivity by eliminating double entry from the work order into a third-party accounting package, such as Intuit QuickBooks® or Sage Software's Peachtree®. According to a recent study conducted by the Department of Computer Science at the University of

Sheffield, England, the average error rate for keyboard entry was between 12 and 24%, depending on the typing skill of the person entering the data. This feature can significantly reduce manual input errors.

Many providers of fleet maintenance programs offer interactive demos on their Web sites to help managers with the process of selection and comparison. Programs like Kenworth PremierCare Connect go a step further, Mr. Wisdom said. They offer no-obligation, free consultation and access to a more extensive demonstration that allow managers to try out the system to be sure it works properly for them.

Generally, program providers offer several options ranging from a basic system designed for fleets of 20 or more vehicles, or repair shops with three or more service technicians, to an enterprise system designed for large companies. Besides most of the functions and add-on features mentioned, enterprise systems may include the ability to support multiple business units, real-time shop activity monitoring, and the ability for mechanics to scan in work orders.

Once they have narrowed their options, fleet managers or shop supervisors should then contact the providers for additional consultation on pricing. "The cost of a fleet maintenance management program really depends on a variety of things, including what functions your company operation needs, number of mechanics and technicians in your maintenance shop, and number of trucks in your fleet," according to John Wisdom. "Selecting the right fleet maintenance management program with the right features for your company's operation, is key to realizing the system's full potential", he added.

Kenworth believes that Kenworth PremierCare customer support programs contributed to Kenworth receiving the 2009 J.D. Power and Associates award for "Highest in Customer Satisfaction for Heavy Duty Dealer Service."

You will find even more news of the industry on www.infrastructures.com

The Leader of the Pack at bauma 2010

At this year's bauma, WOLFFKRAN presents its product portfolio ranging from S to XXL cranes, suitable for every construction site. Based on its major strengths, modularity and premium quality, WOLFFKRAN leads the way, accentuating cost-effectiveness and sustainability for crane construction. With a more efficient tower system, two brand new luffing cranes and a high-performance trolley jib crane WOLFFKRAN proves itself yet again. The company is introducing its innovations under the motto "All you need is... WOLFF".



Positioned directly in the spotlight, WOLFF places its two new luffing cranes with a maximum load capacity of 42.0 t and 50.0 t. The new WOLFF 630 B- and WOLFF 700 B-categories complete the WOLFF luffing crane series in the intermediate to upper load moment class. The new WOLFF construction principle was already introduced with the WOLFF 355 B, which was exhibited at the bauma in 2007. The compact and light crane components with the innovative WOLFF design are particularly advantageous regarding transportation and assembly for luffing cranes. This is confirmed by the strongest and biggest WOLFF luffing crane, The BIG WOLFF (WOLFF 1250 B), which came onto the market in 2009. For the bauma 2010, WOLFFKRAN has set its aims on covering the intermediate to upper load moment class to complement the WOLFF 355 B and the WOLFF 1250 B. "We are proud, that today we are able to offer the most suitable slewing tower crane for every construction site, anywhere in the world, as well as cost-effective solutions for transportation," says Dr. Peter Schiefer, managing partner of WOLFFKRAN.

Source: WOLFFKRAN

bauma 2010 ext. F9, 902/7

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MB Crusher Buckets Run Through India



The first highway connecting the cities of Hyderabad and Bangalore will be built using MB crusher buckets, equipment that stands out due to its unique and unmistakable characteristics. The motorway will be approximately 600 km long, with 3 lanes in both directions, and will represent an important change in India as the country will benefit from a fast and greater flow of communication, transportation and commerce networks, which up until today have been carried out mainly by sea.

MB S.p.A. views this new project as a positive turning point for India, which will progress from both a commercial and economic standpoint, all in full respect for the environment, an issue that has top priority in the philosophy of the Italian company (currently in the process of obtaining the ISO 14001 certification).


MB crusher buckets work using the hydraulic system of the excavator they are fitted to and, unlike traditional crushers, offer significantly reduced transportation and waste disposal costs, thus allowing inert materials to be recycled.

In order to build the Hyderabad-Bangalore highway, the BF120.4 bucket will be used to produce the stabilized pavements every 50 km. The peculiar feature of the BF120.4 is that it is the only piece of equipment capable of reducing the size of crushed granite from 20 to 4 cm, thus making the job easier and more versatile.

India will thus become familiar with the high quality of MB products, and will have the opportunity to see them in action, evaluate them and be completely satisfied by their performance, and this because it relies on a prestigious company, in constant growth and with highly qualified expertise, a company that handles the needs of its customers with a high level of commitment.

"We are extremely optimistic on the successful outcome of the highway that will connect the cities of Hyderabad and Bangalore, both extremely excited to try out our highly technological, Italian-made buckets and to obtain a new communication line that we are sure will be appreciated by the Indian country", stated Guido Azzolin, managing director of MB S.p.A.

Source: MB S.p.A., www.mbcruiser.com

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Bosch, DEUTZ, and Eberspaecher Set up Joint Venture for Diesel Exhaust Aftertreatment

Robert Bosch GmbH, DEUTZ AG, and Eberspaecher GmbH & Co. KG announced recently the signature of an agreement to set up a joint venture in the area of diesel exhaust aftertreatment.

The joint venture is to be known as "Bosch Emission Systems GmbH & Co. KG" and to be headquartered in Stuttgart. The agreement is still subject to the approval of the antitrust authorities.

The objective of the joint venture is to use the core exhaust aftertreatment competencies of the three companies involved and, on the basis of a modular principle, to offer complete system solutions for construction and agricultural machinery, as well as for commercial vehicles. These complete systems include electronic control and, if required, also optimized burner technology for the regeneration of diesel particulate filters. Series production will likely start in the third quarter of 2010.

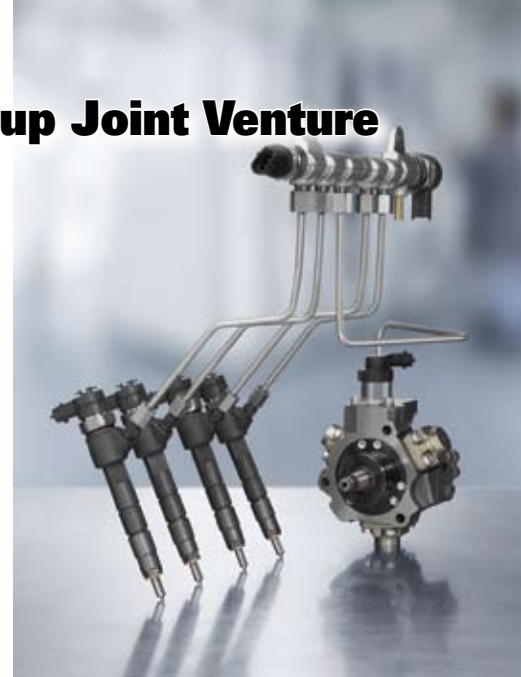
"We want to establish Bosch Emission Systems in the global market as a technologically leading supplier of complete diesel exhaust aftertreatment systems. As significantly stricter limits will apply to off-road and on-road vehicles in the future in Europe, North America, and Japan, demand for exhaust aftertreatment systems will increase strongly. This also applies to mobile machinery and commercial vehicles imported from the BRIC countries (Brazil, Russia, India, and China)," says Dr. Gerhard Turner, president of the Bosch Diesel Systems division. The target group is manufacturers of engines and machinery worldwide. The product range is tailored to

mobile machinery such as excavators, wheel loaders, tractors, and combine harvesters, as well as to stationary machinery. Commercial vehicles such as trucks and buses are a further area of use.

Technologically, the concept is based on a modular principle. Drawing on a large pool of standard components, an exhaust aftertreatment system can be customized to suit any vehicle or machine. "As an engine manufacturer, we have made a name for ourselves with customized solutions. We can now contribute this application know-how to the joint venture. In this way, we are investing not only in our own products, but also in the rapidly growing market for exhaust aftertreatment systems," says Gino Mario Biondi, management board member of DEUTZ AG responsible for technology.

In the view of the three joint venture partners, this almost exclusive use of standardized parts is a clear competitive advantage when it comes to cost as well as the time taken up by development and validation. It also ensures the necessary flexibility: individually designed tubing solutions, for example, mean that the restricted installation space in mobile machinery can be used in the best possible way.

"With this modular portfolio, Bosch Emission Systems fills a serious gap in the market," says Dr. Thomas Wünsche, CEO of Eberspaecher Exhaust Technology. "It will provide effective solutions wherever



the expense of an individually engineered solution of the kind seen in large-scale series production for on-road vehicles is too high."

When the joint venture starts operations, roughly 100 associates from the companies involved will be employed at Bosch Emission Systems. Engineering, sales, and administration will be based at the headquarters in Stuttgart. "Bosch Emission Systems is a distinct company, working absolutely independently of its parent companies. Right from the start, we will stand for high quality, because the associates assigned to the company have comprehensive experience and know-how relating to a very wide range of applications," says Wolfgang Albrecht, Bosch project manager and designated managing director of Bosch Emission Systems.

Source: J. Eberspaecher GmbH & Co. KG
Robert Bosch GmbH
DEUTZ AG

Bauma 2010 A4, 321/516



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Elgin Sweepers Introduces Mobile Camera System

Elgin Sweeper has introduced the Elgin Mobile Camera system as an option for its line of environmentally efficient street sweepers. The multi-camera system, which includes both mirror and rear-view camera kits, provides sweeper operators with expanded visibility to the main and side brooms – as well as to the rear of the sweeper – for improved performance.

"Street sweepers often need to negotiate tight spots, take difficult corners and make critical maneuvers in reverse, which requires good visibility to the front, sides and rear of the machine, as well as to the traffic and work areas," said Frank Ligori, national parts marketing manager at Elgin Sweeper. "With the Elgin Mobile Camera system, the monitor in the cab provides the operator with a detailed view of the main and side brooms to check the collection of debris. The operator can also switch to a rear view

of the sweeper when backing up, turning or changing lanes."

In 2008, Elgin Sweeper began installing rear-view cameras on new street sweepers as standard equipment, with the side mirror camera kit available as an option. Available for



Elgin Sweeper's Broom Bear®, Crosswind®, Eagle®, Pelican® and Whirlwind® models, the cameras and monitor are designed for durability and can withstand the knocks, bumps and vibrations sweepers encounter on a daily basis.

The Elgin Mobile Camera system

includes such features as high-resolution Sony CCD cameras for outstanding image quality; 14 cm color TFT-LCD monitors; automatic reverse or turn signal camera activation; infrared LEDs for night vision and multi-voltage capability (12/24 VDC). The system also includes a two-year warranty.

"For sweepers already in service, the complete Elgin Mobile Camera system is available as a retrofit package which combines the rear-view and side mirror camera kits," Mr. Ligori said. "These fit on Elgin sweepers and can also be installed by your local Elgin dealer on other brands of sweepers."

"The mobile camera system is yet another example of Elgin Sweeper's commitment to our municipal and contractor customers to improve operator performance and comfort," he added.

Source: Elgin Sweeper



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FFC Cold Planer Attachment Maximizes Performance While Reducing Horsepower Requirements

The FFC Cold Planer by Paladin Construction Group attaches to skid steer loaders to mill asphalt and concrete surfaces. It can mill down frost heaves, concrete and asphalt joints and full-depth utility cuts.

The FFC Cold Planer uses a "V" shaped pick pattern on the drum, where the teeth are evenly spread for a smooth, balanced operation. Four teeth are mounted on both outside drum edges to accommodate the highest wear areas. The "V" shaped pattern helps carry material over the drum and behind the planer to clear the working area of milled material and reduce re-milling of material. Minimizing re-milling reduces horsepower requirements and maximizes the performance of

the skid steer and planer.

A number of motor options on the FFC




Cold Planer allow efficient operation on skid steers with 50 to 170 l/min hydraulic flows. Standard flow models are available

in 30- and 40-cm cutting widths to operate with hydraulic flows of 50 to 60 l/min. High flow models are available in cutting widths from 40 to 90 cm and operate with flows from 90 to 170 l/min. Properly matching the attachment to the machine is critical in high production, heavy work attachments like cold planers.

A 60 cm left or right side shift feature allows cutting next to curbs and other obstacles. The controls can be adapted to the loader joystick electric controls, or in-cab fingertip controls can operate side shift, tilt and cutting depth on high flow models. High flow models feature a planetary gearbox drive for increased torque and durability, while all models feature a large access door for easier maintenance.

Source: Paladin Construction Group

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HERO™ Declares War on Abrasive Ground

A new matrix specially designed for soft and abrasive ground has just been introduced on the market by Fordia.

Specializing in the manufacturing of diamond tools and equipment for the diamond drilling and geotechnical industries, Fordia has caused a buzz with the launch of the HERO™ 7 matrix in June 2009.

The company is already expanding this new series with the HERO™ 3. According to the manufacturer, this matrix has been designed to address soft and abrasive ground types, which are usually rated between 3.5 and 5.5 on Moh's hardness scale. These rock formations are mostly comprised of sandstone, shale or limestone.

Besides offering an excellent resistance to abrasion, HERO™ 3 also allows a smooth transition when drilling in various hardness levels, an almost unavoidable challenge considering the complexity of rock formations.

Drilling in northern Saskatchewan, Mike, a driller for Team Drilling, has quickly been

impressed by the incredible penetration speed of the new HERO™ 3. While competing core bits offer a 10 cm/min penetration rate, HERO™ 3 performed at least twice as fast in the same ground.

Brian, a driller for Major Drilling in West Wells, Nevada, tried the HERO™ 3 in an abrasive ground where the lifespan of core bits typically does not exceed 25 m. He found the HERO™ 3 offered almost three times more lifespan!

With similar results registered in Mexico, Peru and Colombia, clearly the HERO™ 3 no longer has to prove itself. The shining commentaries of the many drillers who tried it prove that it has already won many enthusiastic fans.

Manufactured one by one with great care and precision, HERO™ 3 core bits are made of a unique blend of powders and a special alloy. Compliant with the HERO series, this new matrix comes standard with a 13 mm diamond impregnation height and offers an outstanding penetra-



tion to lifespan ratio.

Fordia recommends choosing a Pie-Shape configuration with this matrix, a smart move considering the ground type, because it allows a greater evacuation of drilling cuttings. Sedimentary rocks that can easily block waterways and slow down the work – optimal matrix and configuration choices can help reduce this possibility. HERO™ 3 is also available in Standard and Turbo-Pie-Shape configurations, as well as in Vulcan, with a 16 mm diamond impregnation height.

Source: Fordia

Bauma 2010 C2, 205

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Liebherr "Heavyweight" for the New Ottawa Convention Centre

The heaviest-lift tower crane in Ottawa, Ontario, a Liebherr 630 EC-H 40 Litronic, has been installed on the Canadian Capital's new convention centre to ensure an on-site lifting capacity of up to 40 000 kg.

A Liebherr 630 EC-H 40 Litronic has recently been installed on the new Ottawa Convention Centre (OCC); making it the heaviest lifting tower crane in Ottawa and, it is thought, the region's tallest free-standing tower crane with a hook height of 80 m.

The Liebherr crane, supplied by Morrow Equipment Company LLC from Toronto, Ontario, to the project's main contractor,

up to 15 000 kg and with a length of up to 30 m, formwork and construction materials.

NEED FOR A NEW CENTER

The previous building had been built in 1983 but in recent years had been recognized as being inadequate.

Even as a G8 Capital and Canada's fourth largest metropolitan area, Ottawa was losing business to other Canadian cities.

A feasibility study in 2008 therefore recommended that the OCC should be demolished and a new building constructed on the existing site.

In a demolish, design and build contract, the OCC Board selected a proposal submitted by PCL Constructors and Brisbin Brook Beynon Architects (BBB).

"It best demonstrated the capability to create an iconic landmark for the City of Ottawa, not only meeting the rigorous specifications set, but in many instances, exceeded

them," said Jim Durrell, chairman of the OCC Board.

The core design of the new facility features a complex, crystalline building shaped in a tulip form laid on its side, reflecting one of the most prominent and attractive symbols of the City of Ottawa.

The elegant crystal building is 100 m long with an airy, inviting ambiance. Its modern design is intended to sit gracefully in the historic downtown area of Ottawa, enhancing the beauty of the east side of the Rideau Canal.

A key element of the design is the ability for visitors to look out onto the Parliament Buildings, the Rideau Canal, the National Art Gallery and other historic sites in the area.

The new building is also centrally located within walking distance of over 6000 downtown hotel rooms.

NEW CONSTRUCTION

Construction is being completed over the top of the VRC garage, which must remain open to the public throughout construction.



PCL Constructors, was installed in a four day operation in September 2009; demanding good weather and wind speeds of below 30 km/h, in order to lift and place the crane's sections by a mobile crane. The crane is mounted on a 630 EC-H stationary undercarriage which has been bolted to the existing 2nd floor slab of the building. The floor slab has been reinforced and shored down to bed rock.

In addition the undercarriage is dead-weighted with 70 t of concrete blocks to prevent uplift. The undercarriage span is 10 m x 10 m.

On top of the undercarriage, the tower was erected, featuring a 630 EC-H base tower section and ten 550 HC tower sections. The jib was installed in two sections and has a combined length of 70 m.

The crane is equipped with a 147 hp hoist winch, allowing hoist speeds up to 140 m/min. Operational wind speed of the Liebherr tower crane is 75 km/h, which is approximately twice as high as compared with mobile cranes.

The crane is initially being used to lift and place the steel roof trusses, weighing



Above this, the contractor will build five storeys, backing onto the existing wall for the Rideau Shopping Mall to a final height of approximately 30 m.

Featuring a footprint of 35 000 m², the building will boast a 8360 m² multipurpose ballroom.

On level 3, a series of configurable halls will provide 5200 m² of column-free space. Level 2 incorporates 15 configurable meeting rooms and a pre-function area, totalling 1951 m².

A new "state-of-the-art" kitchen will accommodate over 4000 meals per sitting and also cater for seated meals, buffets, concessions and banquets.

Construction on the compact site leaves little space for storage. Movement of deliveries to the required construction/installation area is therefore a key and critical role for the Liebherr tower crane.

The Liebherr top slewing 630 EC-H 40 Litronic offers a 5800 kg lifting capacity at the maximum 81,4 m radius.

The model also features a spacious noise-proofed and temperature-insulated cabin providing operator conveniences including ease of operation and large windows ensuring optimum visibility of the load and site. The Litronic control system of the crane uses PLC controlled frequency drives on the hoist, trolley and swing functions of the crane, ensuring a fine control of each motion by the operator, increasing safety and productivity. This makes the Liebherr crane the preferred tool for formwork, steel and pre-cast erection on congested construction sites.

Source: Liebherr-Werk Biberach GmbH

 Bauma A4, 111

ext. F8, 803/804/805/806/807
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We'll Forget the Rough Road!

Cimline Pavement Maintenance Group (CPMG) announces Groupe Gemec as the Authorized CPMG Dealer for the province of Quebec as they continue to strengthen their distribution network throughout Canada.

Groupe Gemec is a speciality equipment distributor with a focus on municipal-based infrastructure maintenance equipment. Traditionally street sweepers, catch-basin cleaners, and sewage/water-main inspection machinery amongst others have represented this. All of which has allowed Gemec to build a reputation for service and reliability amongst the municipalities and contractors serving this sector.

Daniel Gelinas of Groupe Gemec says: "This is an important step for us as it addresses the one area of infrastructure repair and maintenance we, and our parent company JJE have previously not serviced. Given that carriageway and pavement maintenance is the single largest infrastructure item any municipal or govern-

ment agency has in their inventory this is overdue."

CPMG comprises three distinct product divisions, Cimline, Duraco and Equipt, which combined make CPMG the largest manufacturer of pavement maintenance equipment in the market today. Cimline has long been the recognized benchmark for high efficiency, high production hot pour sealant melter/applicators. The Magma series of melter/applicators has been the CGER/MTQ machine of choice since its introduction a decade ago. With continuous improvements and developments Magma boasts a 114 l/min asphalt pump, the highest available fuel efficiency, lowest operating costs, reduced emissions and a One-Hour Unassisted Start-up Guarantee.

Duraco is the parent firm of that other benchmark, Durapatcher and DuraMaxx brands of velocity patching equipment. As the original and longest-lived manufacturer of pothole and patch equipment of this kind Durapatcher was recognized by the US SHRP (Strategic Highway Research Project) as the only reliable long-term pothole and crazing repair method available. The Macadam mixture produced can be tailored by altering aggregate grades and emulsion types, to produce almost any repair from shoulder stabilization to

main street patches and in all seasons. DuraMaxx offers the only fully collapsible bumper-mounted boom with automatic "return to stow" to permit this single crew machine to increase production and maneuverability in urban settings whilst reducing traffic interruptions and improving crew safety.

"Whether it is a preventative practice like cracksealing or a repair practice like potholing, we are very enthusiastic about being able to show our customers how they can keep their most costly infrastructure item functioning as expected with as much or more longevity as the designers originally intended. This addition to our product offering is going to be most beneficial to all of our municipalities and contractors and with the support of CPMG we will be doing our part to help Quebecers get the most from their road tax dollars," says Martin Lapointe of Gemec.

Rugged, dependable, money-saving products and a dealer network who knows and understands infrastructure maintenance equipment will make this not just a New Year but a New Era for roads and bridges across Canada.

Source: Cimline Pavement Maintenance Group

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Urban Street Paver Relies on Kenworth T370s for Superior Performance and Engineering

ASL Paving Ltd. added five Kenworth T370s to its fleet in 2009, and for good reason. Since 1950, ASL Paving has provided quality commercial paving services to cities and towns across Saskatchewan, Canada. Often operating in tight quarters and crowded corridors, the Kenworth T370 delivers right-sized performance, maneuverability and dependability for ASL's urban street paving jobs.

With 95 trucks in a fleet of single and tandem axle dumps, tractors, water trucks and oil distributor trucks, the T370s "are



very good for our application," said ASL president Wade Mitchell. "We spec them with tandems to hold a 12 700 kg to 14 500 kg end-dump box. They need to have tight turning radiuses in order to get in and out of jobsites, and to be able to maneuver among equipment once on the jobsite. That's very important to us."

Mr. Mitchell points out that city street-paving comes with tight scheduling windows, and the company's ongoing success depends on having quality equipment that performs reliably every day.

Ken Marks, service manager at ASL, specs all trucks for dependability and performance at the worksite. Working closely with his Kenworth dealer – Custom Truck Sales Inc., in Saskatoon – Mr. Marks places special emphases on uptime and reliability. To that end, ASL's T370s are spec'd with PACCAR PX-8 300-hp engines, six-speed automatic transmissions, 5500 kg /15 500 kg axles. "We're always starting and stopping, going slow," said Ken Marks. "The Allison transmissions make the Kenworth T370s excellent for this application."

While ASL has worked diligently to stay on top of the latest innovations in construction practices and equipment, it



continually incorporates new technologies into the business. The engineering profile of the T370 delivers enhanced productivity on many levels, including maneuverability and payload delivery.

"Once we install a dump box to a truck, we need a truck that can still dump into a paver," said Mr. Mitchell. "Some trucks cannot."

"Our drivers just love the T370s for in-town applications," said Mr. Marks. "They make more positive comments about the Kenworths than any other truck we own."

In Saskatchewan, the paving season

lasts only seven months, from mid-April through mid-November. "We need our equipment to work every day that we work," said Mr. Mitchell. "Over the years, we've tried many makes and models of equipment. We buy Kenworths because they do the job for us. And the Kenworth dealer has proven to be, far and away, the best. Custom Truck Sales has been phenomenal. They have good people and, as long as I sit in this chair, that's still what makes business go around – good people."

Source: Kenworth Truck Company

Offset Single Pointed Ripper

Leading Edge Attachments, Inc. now offers the Offset Single Pointed Ripper which is a new style, rock ripper designed for excavators and backhoes that allows the operator to easily rip rock, coral shale, caliche, decomposed granite, limestone, sandstone, asphalt or frozen ground with the maximum breakout force for a price that is lower than our award winning Multi-Ripper®. The Offset Single Pointed Ripper design allows the operator to focus the excavator's full breakout force on one tooth that is offset to the side of the excavator or backhoe stick, thus providing the ability to rip a side wall flat.

Conventional single-pointed rippers have the shank mounted in the middle of the attachment which makes it difficult to rip the side wall without the ripper being very long. The LEA Offset Single Pointed Ripper allows side wall ripping while keeping the shank very short for increased breakout force. The operator can rip down one side of the trench, turn around and rip the opposite side of the trench, and then rip the middle. This technique produces a clean flat wall that other center mounted rippers cannot.

The new Offset Single Pointed Ripper is manufactured in the U.S. using Swedish alloy steel (Hardox 400) and the powerful MTG KingMet teeth, and is available to fit on any backhoe or excavator from 3000 kg to 150 000 kg.

Source: Leading Edge Attachments, Inc.



New Hybrid Excavator – up to 40% More Fuel Efficient

Komatsu America Corp. has introduced their new Hybrid PC200LC-8 excavator into the North American market. By developing a successful hybrid excavator in the largest construction machine segment (20-22 ton), Komatsu's green technology will have a substantial impact on saving fuel and reducing green house emissions.

In tests comparing the standard PC200LC-8 hydraulic excavator to the Hybrid PC200LC-8, the hybrid model reduced fuel consumption by approximately 25 to 40%, depending on the application.

SUBSTANTIAL "GREEN" IMPACT

Komatsu stated that as a one of the world's top construction equipment manufacturers, their goal is to meet increasing global environmental concerns through the development of innovative equipment designed to reduce environmental impact, including carbon dioxide reduction.

"Komatsu's decision to apply its engineering excellence to the largest construction machine segment, clearly signals our commitment to developing environment-friendly equipment," says Dave Grzelak, CEO and chairman of Komatsu America Corp. "Since the company's inception, Komatsu has been setting the global standard for technology and engineering excellence and today that tradition continues with the introduction of the Hybrid PC200LC-8 excavator."

CUTTING-EDGE TECHNOLOGY

Powered by the Komatsu Hybrid System, the Hybrid PC200LC-8 uses a newly developed electric swing motor, power generator motor, capacitor and diesel engine. Komatsu developed its revolutionary hybrid system to work on the principle of swing energy regeneration and energy storage using the Komatsu Ultra Capacitor system. Komatsu's Ultra Capacitors provide fast energy storage and instantaneous power transmission.

The kinetic energy generated during the swing braking phase is converted to electricity which is sent through an inverter and then captured by the Ultra Capacitor. This captured energy is then discharged very quickly for upper structure rotation and to assist the engine as commanded by the hybrid controller when accelerating

under work load conditions.

THE SPECS

The Hybrid PC200LC-8 is powered by the powerful, turbocharged and air-to-air after-cooled Komatsu SAA4D107E-1 which provides 138 hp. With an operating weight of 19 800 to 21 400 kg, the Hybrid PC200LC-8 has a bucket capacity of 0,5 – 1,2 m³. The Hybrid PC200LC-8 has the same vigorous working forces and performance levels of the conventional PC200LC-8.

The innovative cab design assures operator comfort because the viscous cab damper mounts reduce vibration. A 18 cm LCD monitor provides easy-to-read gauges and onboard diagnostics as well as displaying the rear-view monitoring system for viewing the work area to rear of the machine.

KOMTRAX ON BOARD

The Hybrid PC200LC-8 is also equipped with the latest KOMTRAX technology which sends machine operating informa-



tion to a secure website utilizing wireless technology. Data such as operating hours, fuel consumption, machine location and machine utilization are relayed to the web application for analysis. The KOMTRAX fleet monitoring system increases machine availability, reduces the risk of machine theft and provides a wealth of other information to drive business efficiency.

The Hybrid PC200LC-8 excavator was introduced to the Japanese market in June 2008, and has been successful in reducing fuel consumption. In addition, Komatsu introduced the Hybrid to the Chinese market in August 2009.

Source: Komatsu America Corp.

Navistar Selects Continental Tires

Navistar International Corporation and Continental Tire North America, Inc. announces that Continental truck tires are the standard fitment for all International® PayStar®, WorkStar®, and DuraStar® severe service and medium duty vehicles as of January 1, 2010.

Navistar, a market leader in the North American severe service and medium duty segments, is a natural fit with the rugged durability of Continental's on/off highway and construction truck tires, said Tom Fanning, director of original equipment sales for Continental – The Americas.

Continental's expansion into the regional, on/off highway and construction segment is backed up by truck tires engineered with maximum resistance to damage, tread patterns designed for optimum traction, extra tough compounding and stone ejection systems.

With the Navistar fitment, Continental is expanding its footprint into the severe service and medium duty vehicle segments to highlight its tire products that are engineered for maximum durability.

Source: Continental Tire North America, Inc.



ITT Presents the World's Largest Rental Bank


ITT Water & Wastewater presents its customers a wealth of experience and technical knowledge as well as World's largest Rental Bank for pumps and mixers. More than 10 000 pieces of equipment are available to be put to use on construction sites, in mines, quarries, sand and gravel plants and in other demanding applications.




Coping with larger orders, unforeseeable situations or getting through repairs: electric submersibles between 0,5 kW and 200 kW rated power, prime assisted diesel pumps (5 cm to 30 cm), mixers, switchgears for automated operations and other accessories are available. Customers receive tailor-made solutions at a calculable price. Pumps and mixers for extreme conditions e.g. Atex Certified, highly abrasive fluids, capacities up to 48 000 l/min or heads of up to 200 m, can be rented.

Globally, ITT's Rental Bank consists of over 100 rental centers. They are all coordinated with the help of a central data base, ensuring that the customer will always receive the requested equipment at the right time. ITT has established a rapid response service which is available each and every day. The installation of a data base for large and special pumps and other equipment in order to enable a fast reaction for large projects or in emergency situations is a European innovation.

Source: ITT Water & Wastewater AB

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Appointments

BOMAG Canada Inc. announces the appointment of **Terry Constantin** as the new territory manager for Ontario & Newfoundland.

With this position Mr. Constantin will be responsible for all sales activities with BOMAG's heavy equipment distributor Nortrax, and direct sales of the light product line to the rental industry.

He brings experience in the product support side of the business and is looking forward to working with our future & existing customers in promoting the BOMAG line – compaction, pavers and milling machines – to the construction industry.

Source: BOMAG Canada Inc.



London Machinery, Inc., one of North America's leading manufacturers of concrete mixer trucks and replacement drums, has named **Troy Walker** to the position of National sales manager. In his role, Mr. Walker will be responsible for all mixer truck, refuse vehicle and batch plant sales in Canada. The London sales team will report directly to Mr. Walker.

"Troy will be a great asset to our company – he brings a wide range of experience and a commitment to customer service to the table," said Robert Monchamp, general manager of London Machinery. "We look forward to having Troy be an important part of our team."

Prior to joining the company, Troy Walker was a sales manager for an equipment handling company. He received a degree in Business Marketing from Mohawk College of Applied Arts and Technology.

Source: London Machinery, Inc.



Brad Morris, general manager of **Grote Industries Canada** is pleased to announce that **Roger Gagne**, National account manager fleet for Grote Industries has recently been recognized by the Manitoba Trucking Association for his dedication and efforts in support of the industry and the association. Mr. Gagne was awarded the Associate of the Year.

This honor is the only award the association gives to distributors or manufacturers representatives and serves to acknowledge Mr. Gagne's tireless and relentless efforts to educate and inform fleet personnel as well as distribution customers not only of Grote's products but best practices and procedures for the repair, replacement and maintenance on a vehicles lighting and electrical systems.

Source: Grote Industries (Canada)

De-Icing the Locks to Extend Shipping Movements to the Great Lakes

Montreal rental company Location d'Outils Simplex (Simplex) has rented out 15 compressors to prevent water freezing in locks on the St. Lawrence River, helping to maintain shipping through to the Great Lakes.

A mix of 15 Atlas Copco compressors – XAS 1600, XAMS 1050 and XAMS 850 – were delivered last Fall by the rental company Location d'Outils Simplex, to four locks along a 50 km stretch of the St. Lawrence Seaway around between Saint-Lambert and Beauharnois, Quebec.

Used in groups of 2 to 4 units, supplying up to 4000 cfm per lock, air is pumped directly into the lock water for agitation preventing the water from freezing and improving the stability of the ships within the lock.

This provides an extension for shipping movements in the Fall and again with an early start in the Spring.

The compressors operate 24/7 for three weeks in December and again in April.

Simplex has been supplying compressors for this purpose since 2005, then using a mix of Atlas Copco and other brands of compressors.

"Today, it will be, without any hesitation, 100% Atlas Copco," confirmed Simplex workshop manager, Stéphane Castilloux. "With temperatures hovering between -10°C to -20°C, it is essential that all the compressors include the Atlas Copco 'cold weather' package and that we maintain constant checks," he said.

For example, oil levels and all functions are checked and daily maintenance carried out. Twice a day a mechanic visits each installation to check all are working.

Headquartered in Montreal and with 38 branches around the Quebec province, Simplex has a fleet of 100 Atlas Copco portable air compressors – all delivered at regular intervals over the past 4 years – with the rental company standardizing in Atlas Copco for all its new compressors.

Source: Atlas Copco Portable Air Division



Bauma 2010 ext. F10, 1008

PALFINGER at bauma



Many companies in the industry talk about economic viability and sustainability. PALFINGER, however, has a specific target when doing its sums and keeps a very critical eye on all the influencing factors that define the cost structure of operating a crane throughout its life cycle.

"Our concern is to bring clarity, transparency and real costs into the operation of our systems in order to confirm our philosophy, which is to ensure that we accompany our customers as a reliable partner throughout the entire life cycle of the product and that our responsibility does not end with the sale of a product," says Wolfgang Pilz, director of marketing at PALFINGER AG.

An approach that encompasses the whole transaction – from the acquisition costs, the real and potential costs of utilization, maintenance and payloads to the resale value – clearly illustrates the following fact: "Anyone investing in high quality PALFINGER products can save a lot of money in the medium to long term," he adds.

Source: PALFINGER AG

Bauma 2010 ext. F8, N822/5

Trimble to Demonstrate Connected Site at bauma 2010

Trimble will demonstrate how the Trimble Connected Site™ solutions benefit heavy and highway contractors at bauma 2010. Trimble Connected Site solutions connect assets, information, people, machines and jobsites to meet the workflow needs of the different stakeholders within the contractor's organization.

Construction technology is transforming the way design engineers, contractors, and job-site crews can tackle their grading and excavation jobs. What used to be done manually can now be completed more efficiently and accurately with a mix of GPS, construction lasers, total stations, wireless data communications, the Internet and

application software.

At bauma 2010, Trimble's theme "DO THE MATH" focuses on how Trimble Connected Site solutions allow technologies to work seamlessly together to provide even greater benefits to the contractor—lower operating costs, optimization of personnel and machines, increased productivity, higher accuracy, increased safety, and insight for greater operational intelligence. For small or large contractors, Trimble Connected Site solutions are scalable and offer multiple points of entry.

Trimble will demonstrate how two-way data transfer and real-time communications connect workflows can increase



productivity across the jobsite.

Source: Trimble

Bauma 2010 A3, 319/321/416/418



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Agenda

World of Asphalt

February 15 - 18, 2010
Cincinnati, OH USA



Work Truck Show 2010

March 9 - 12, 2010
St. Louis, MO USA



INTERtunnel 2010

March 17 - 19, 2010
Moscow, Russia

2010 Quebexpo - Regional Rental Show

March 23 - 24, 2010
Saint-Hyacinthe, QC Canada

Expo Build China 2010

March 29 - April 1, 2010
Shanghai, China

China International Cement Industry Exhibition

China International Cement Conference

March 31 - April 2, 2010
Beijing, China

Atlantic Heavy Equipment Show

April 8 - 9, 2010
Moncton, NB Canada



Truck World 2010

April 15 - 17, 2010
Toronto, ON Canada

bauma 2010

April 19 - 25, 2010
Munich, Germany



WasteExpo

Conference May 3 - 5, 2010
Exhibits May 4 - 6, 2010
Atlanta, GA USA

IFAT CHINA

May 4 - 6, 2010
Shanghai, China

1st APOM Technical Day

May 7, 2010
Sorel-Tracy, QC Canada

VANCOUVER 2010 - CIM Conference and Exhibition

May 9 - 12, 2010
Vancouver, BC Canada

Hillhead

June 22 - 24, 2010
Buxton, UK



2nd APOM Technical Day

September 10, 2010
Drummondville, QC Canada

IFAT ENTSORGA 2010

September 13 - 17, 2010
Munich, Germany



IAA Nutzfahrzeuge - Commercial Vehicles

September 23 - 30, 2010
Hannover, Germany

WaterSmart Innovations Conference and Exposition

October 6 - 8, 2010
Las Vegas, NV USA

INTERROUTE&VILLE

October 26 - 28, 2010
Metz, France

bauma China 2010

November 23 - 26, 2010
Shanghai, China



Power-Gen International

December 14 - 16, 2010
Orlando, FL USA

bC India International Trade Fair

February 8 - 11, 2011
Mumbai, India

CONEXPO-CON/AGG & IFPE

March 22 - 26, 2011
Las Vegas, NV USA



ICUEE - The International Construction & Utility Exposition

October 4 - 6, 2011
Louisville, KY USA



Winners of the Inaugural Green for Life Award Announced at Congress

The winners of the inaugural Green for Life Award were announced January 13, at Congress 2010.

In the category of contractor the winner is Appleby Landscaping, Milton, Ontario. Lemkey Landscape Design Ltd., Winnipeg, Manitoba, was the winner in the design category and Clintar Landscape Management of Mount Hope, Ontario, took the winner's prize in the lawn care category.

The Green for Life Award was created to promote, recognize and reward environmentally responsible companies in the horticulture, landscape construction and design industry. Winners were drawn from participants completing the Environmental Scorecard, a tool developed by Landscape Ontario Horticultural Trades Association, allowing green industry businesses to rate their environmental practices and benchmark for future improvements. There were over 472 entries, including over 287 from Ontario alone. Participants scored an average of 75,3% nationally and 70,3% in Ontario.

"We are extremely pleased that Appleby Landscape, Lemkey Landscape Design and Clintar Landscape Management are the recipients of the Green for Life Award," said Nathan Helder, chairman of Landscape Ontario's Environmental Stewardship Committee and awards judge. "Their dedication to environmental practices is a life-long commitment, and reflects a growing trend towards environmental stewardship that is not time bound. Environmental assessments are a tool that businesses can use annually to make continuous, incremental improvements and become even more environmentally responsible."

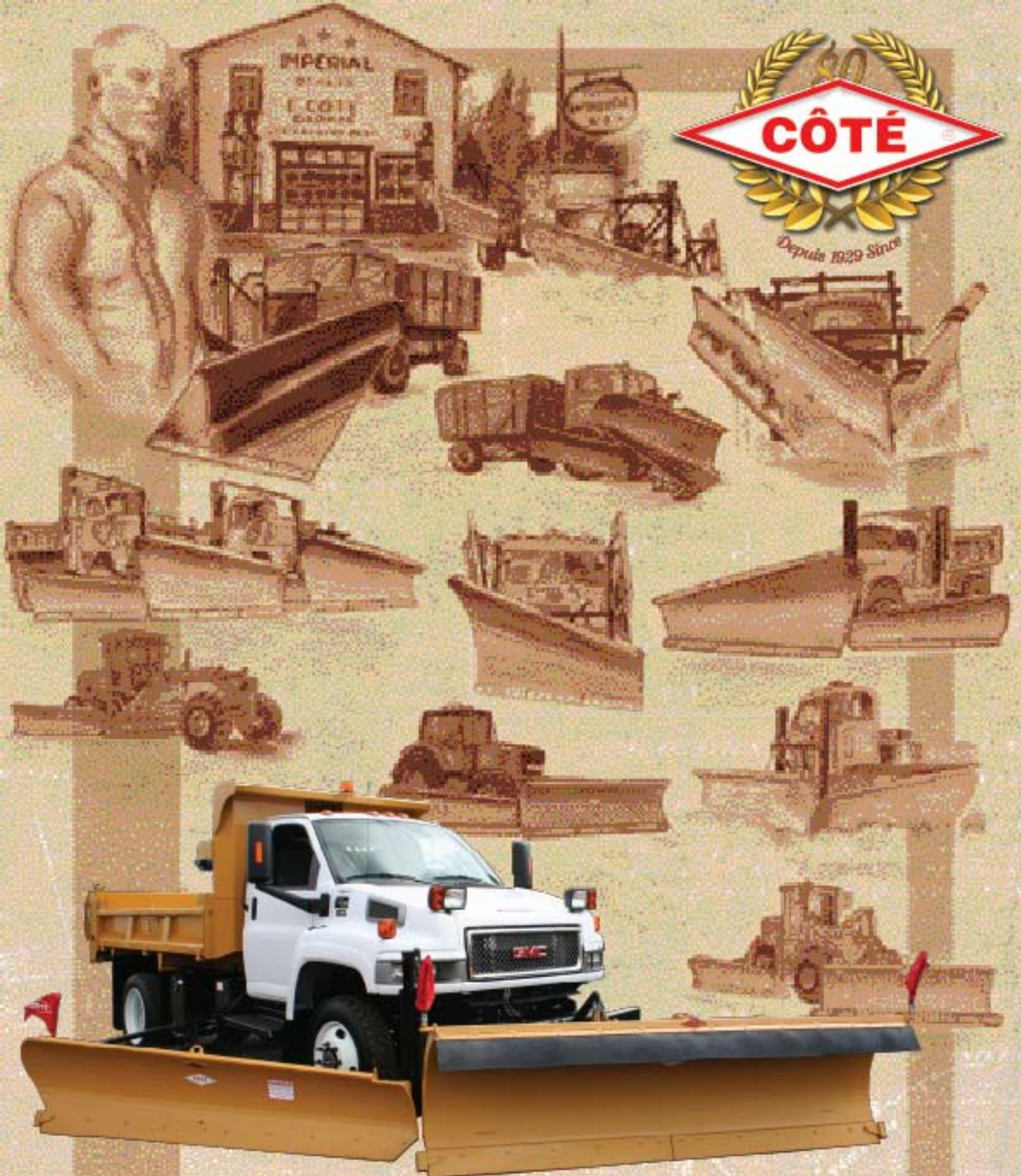
Part of Landscape Ontario's public mission, Green for Life, promotes the joys and benefits of plants and green spaces. The new award program was open to all sectors of the landscape trade industry across Canada. It was designed to raise awareness and recognize those in the industry whose actions demonstrate continuous improvement in environmental stewardship, including responsible environmental practices in the management and operations of these businesses.

Turf Revolution, a recognized industry leader in supplying residential, commercial and municipal customers with innovative products, sponsored the Green for Life Awards. "Turf Revolution is happy to join Landscape Ontario in celebrating businesses that see sustainable opportunities and embrace green initiatives and innovation," said Tammy Lawrence, president, Turf Revolution, Ayr, Ontario.

Congress, held January 12-14, at the Toronto Congress Centre, is Canada's largest international, horticultural, lawn and garden trade show and conference. Over 10 500 delegates attend this annual education and product focused event to enhance their business skills, technical expertise and to network with other industry professionals. For more information visit www.locongress.com.

Source: Landscape Ontario





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