A Brief Word...

Now the summer help is back to school, the days are growing shorter and what must be completed, WILL be completed.

After taking a “straw poll” this summer, many contractors eluded that they are leery of what awaits over the horizon. Those in Ontario are the most concerned between the as yet to be seen impact of HST and a near doubling of electricity prices there is a lot to be concerned about. Most have calculated that when federal infrastructure spending wraps up they will be into lay-offs and scaling back as no other spending is imminent, particularly in the commercial sector. This combined with our continued over reliance by manufacturers on a single market and a low relative exchange rate will see the greater Canadian economy become unashamedly at the mercy of resource and agricultural commodity speculators.

However, for some there is always an upside and in our business it most likely will be found in rehabilitation and repair. Equipment and tooling will be given a lifespan extension, creating opportunity for hydraulic, fabrication and other related service providers. Infrastructure investment will shift from the “MEGAPROJECT” to the “microproject”, giving a new element of contractors the chance to grow by servicing and maintaining critical infrastructure.

As usual, InfraStructures will help you decipher the trends and products critical to manipulating these opportunities. No other publication is as plugged in to your needs wherever your geographic or market segment position happens to be.

Read, Learn, Plan!
MAESTRO TECHNOLOGIES CONTINUES TO EXPAND DISTRIBUTION NETWORK

Maestro Technologies, a leading provider of ERP software solutions specifically designed for the construction industry, announced recently a new distribution agreement with Murray, Skerrett.

Established in 1994, Murray, Skerrett is a team of professionals with a solid reputation for providing high quality application software solutions and professional services for Construction, Trade and Service contractors. The organization has been dedicated to its mission of providing each customer with top quality, state of the art software backed by prompt, knowledgeable, courteous service that always exceeds the customer’s expectations.

“We were very impressed by Maestro’s software solutions,” said Beth Skerrett, president and general manager at Murray, Skerrett. “There’s no doubt that Maestro has built a very robust and flexible software solution for the construction industry and we believe our professional services knowledge and expertise will truly compliment and add value to the overall solution.”

The agreement is part of Maestro’s ongoing expansion and market penetration efforts for delivering targeted software solutions to the construction industry. The two companies will work closely together to co-market their combined solutions to the Canadian marketplace as well as to the Eastern and Southern United States.

“Having a well respected and customer focused organization such as Murray, Skerrett as part of our ecosystem of partners is extremely flattering and a testament to our software solutions,” said Robert Meunier, founder and president of Maestro Technologies. “We believe our combined offerings will result in a very compelling solution that the construction industry will adopt and benefit from.”

ERP systems are quickly becoming essential tools for construction companies to improve responsiveness, strengthen supply chain partnerships, enhance organizational flexibility, improve decision making capabilities and reduce project timelines and costs. Incorporating best-of-breed technologies, modular scalability, granular reporting capabilities and a straightforward, user-friendly interface, Maestro’s solutions provide field and back-office personnel with access to critical real-time data anytime, anywhere, to ensure informed and timely business decisions.

Source: Maestro Technologies

TRIMBLE EXPANDS ITS BUILDING CONSTRUCTION SOLUTIONS

Trimble announced recently it has acquired the assets of privately-held Accubid Systems based in Concord, Ontario. Accubid is a leading provider of estimating, project management and service management software and services for electrical and mechanical contractors. Financial terms were not disclosed.

Accubid’s family of software products allow electrical and mechanical contractors to analyze their estimates in great detail including CAD-based estimating and takeoff and then export the data into project management, accounting, and procurement applications. The acquisition of Accubid broadens Trimble’s industry
leading “BIM to field” solutions for mechanical, electrical and plumbing (MEP) contractors to automate project estimating and management, modeling, detailing, layout and construction.

“BIM collaboration processes are transforming the way building construction projects are planned, managed and executed,” said Pat Bohle, general manager of Trimble’s Building Construction Division. “Combining Accubid’s deep understanding of the electrical and mechanical trades and their detail rich application data with Trimble’s field solutions will provide contractors additional tools to become more productive, efficient, and prepared to meet the demands of the industry in the future.”

“In today’s world, construction projects have become more complex and sophisticated, yet at the same time contractors are expected to build them faster than ever before,” said Giovanni Marcelli, founder and CEO of Accubid. “By combining the strengths of Accubid’s project management and estimating expertise with Trimble’s powerful MEP field solutions, we can better enable clients to address these challenges head-on.”

The Accubid business will be reported as part of the Engineering and Construction segment.

Accubid Systems is the leading provider of estimating, project management and service management software for electrical and mechanical contractors. Accubid’s software solutions are used in over 5400 companies across North America. Accubid’s estimating and project management educational programs are unique, innovative and are geared specifically for electrical and mechanical contractors. Accubid also offers a number of training labs and professional development courses.

Source: Trimble

SGS ACQUIRES ASSAYERS CANADA

SGS is pleased to announce the acquisition of Assayers Canada (commonly known as Mineral Environments Laboratories Ltd.) in Vancouver, Canada.

Assayers Canada has provided the highest level of service to the international mining community since 1971. It performs a full range of geochemistry services including sample preparation, fire assay, pulp metallics, environmental analysis, ICP-AES and ICP-MS, cyanide leach, aqua regia leach and ore assays. Assayers Canada holds Certificates of Laboratory Proficiency from the Standards Council of Canada for precious and base metals analysis as well as ISO 9001:2008.

“This acquisition allows SGS to strengthen its geochemical analysis expertise adding to the existing exploration, metallurgical, mineralogy and water treatment services that SGS offers to its clients on Canada’s west coast” commented Chris Kirk, CEO of SGS.

ONTARIO GOVERNMENT CREATING MORE CLEAN ENERGY IN THE NORTH

Northern Ontario’s first major hydroelectric project in 40 years will provide more clean power to Ontarians and create up to 800 construction jobs. This project is part of the province’s plan to improve the region’s energy infrastructure and economy. The project is expected to be completed in 2015. SGS also provides comprehensive trade services in Vancouver for hard rock minerals, potash/sulphur and coal.

Source: SGS Canada Inc.

ONTARIO GOVERNMENT CREATING MORE CLEAN ENERGY IN THE NORTH

Northern Ontario’s first major hydroelectric project in 40 years will provide more clean power to Ontarians and create up to 800 construction jobs. This project is part of the province’s plan to improve the region’s energy infrastructure and economy. The project is expected to be completed in 2015. SGS also provides comprehensive trade services in Vancouver for hard rock minerals, potash/sulphur and coal.

Source: SGS Canada Inc.
of the Province’s plan to boost the local economy and deliver a strong and reliable energy supply.

Work at the Ontario Power Generation Lower Mattagami River Hydroelectric Project has already started, with 300 people already on-site.

The project will add almost 440 MW of clean, renewable power to the Province’s energy supply. When complete, the project will produce enough electricity each year to power over 300,000 homes – almost double the population of Greater Sudbury.

The project will take about five years to complete and more than two-thirds of the work is expected to be done by northern Ontarians. Moose Cree First Nation, as a partner of Ontario Power Generation, will have up to a 25% equity share in the project.

This project supports the Province’s five-year Open Ontario plan to strengthen the economy, create more jobs and develop more clean energy.

“Creating new economic opportunities for Northern families and Aboriginal communities is an important part of our Open Ontario plan. The Lower Mattagami River Hydroelectric Project will be a huge boost for the North and will provide clean, reliable and cost-effective power to our families and businesses throughout Ontario,” said Brad Duguid, Minister of Energy.

The Lower Mattagami project will see upgrades to four hydroelectric plants approximately 70 km north of Kapuskasing and 200 km south of Moose Factory. Generating units will be added at three stations (Little Long, Harmon and Kipling) and the station at Smoky Falls will be replaced.

Source: Ontario Ministry of Energy

ATLAS COPCO ACQUIRES AUSTRIAN MOBILE CRUSHING AND SCREENING COMPANY

Atlas Copco Austria GmbH has acquired Hartl Anlagenbau GmbH, a company that manufactures and sells mobile crushers and screeners.

By this acquisition Atlas Copco will enter the growing mobile crushing and screening market, thereby strengthening the Group’s offering in the areas of quarrying and recycling.

“The acquisition increases Atlas Copco’s participation in the customer value chain and makes us a more complete partner to our customers in these segments,” says Björn Rosengren, Atlas Copco Construction & Mining Technique business area president.

Hartl Anlagenbau GmbH is a privately owned company based in St. Valentin, Austria and currently employs approximately 110 people. Its products are mainly distributed through a dealer network and partners. Hartl will become a product company within the Atlas Copco Surface Drilling Equipment division. The parties have agreed not to disclose the purchase price.

Source: Atlas Copco

NEW FAMILY OF PISTON-TYPE PUMPS OPTIMIZED FOR TIER-4 APPLICATIONS

Eaton Corporation recently announced availability of a new series of compact piston-type open circuit pumps incorporating the latest technology for moderate flow, high-pressure applications. The new 620 Series is rated at 280 bar and 2200 rpm with a displacement of 98 cm³/revolution, making it an ideal choice for a variety of mobile and stationary applications including wheel loaders, motor graders, concrete equipment, salt and sand spreaders, vacuum trucks, telehandlers, refuse trucks, rail maintenance, forestry equipment, and drill rigs. Planned future models in the 620 Series will include displacements of 65 cm³, 74 cm³, and 120 cm³ per revolution.

“We designed these pumps to be very compact,” said Todd McIntyre, Eaton open piston product manager, “because space is at a premium on the types of mobile equipment for which they are primarily intended. With Tier-4 compliant engines and aftertreatment systems taking up more and more space, customers are looking for increased power density in hydraulic components to help make up the difference.

Eaton’s new 620 Series pumps feature a 15 swash plate angle that allows the pump body to be up to 27 mm shorter than competitive pumps. Internal flows and valve plate timing have been optimized to realize the packaging benefits of the smaller angle without sacrificing overall pump efficiency.

Bearing design is optimized to achieve a 13 600 h B-10 life while handling the higher internal forces created by the new design. The control piston is treated with an anti-friction coating to minimize particulate build-up and reduce response time.

The 620 pump can be equipped with advanced technology such as a swash plate feedback sensor that makes it ideally suited for use in an electrohydraulic environment in which the pump’s operation is governed by electronic sensors and controls. Such electrohydraulic systems open many exciting opportunities to improve the productivity of a wide range of construction, agricultural, and off-road equipment.

Source: Eaton Corporation

EATON’S HYDRAULICS INSTRUCTOR SYMPOSIUM

Eaton Corporation announced the completion of Eaton’s Hydraulics Instructor Symposium, an event designed to expose hydraulics industry leaders involved in academic and commercial training operations to the latest in both emerging hydraulic technologies and instructional methodologies. Hosted at Eaton’s Hydraulic Training Center in Maumee, Ohio, the Symposium was attended by representatives of Alexandria Technical College, The University of Dayton, and Alfred College as well as training executives and instructors from Eaton’s customers and distributors.
across North America.

“This was not a lecture,” explained Tom Blansett, manager, Training Services for Eaton’s Hydraulics Group. “Each session encouraged attendees to engage in a dialogue with both the presenters and the other attendees. The goal was to fully understand the technology being presented while sharing insights into potential applications and exploring the instructional methods that might best be used to transfer the necessary knowledge to other students.”

Among the subjects presented at the Symposium were a CANbus primer, systemic contamination control, thread identification, cavitation and aeration, principles of proportional valve operation, hose assembly, proportional valve amplifier tuning and troubleshooting, fixed and variable pump controls, causes and cures of leaks, plus an introduction to IEC 61131-3 compliant programming.

Attendees also witnessed a demonstration of HTS-2 technology and were introduced to a broad range of training materials available from Eaton’s e-commerce site.

Source: Eaton Corporation

**CUMMINS POWER GENERATION PROVIDES ELECTRICAL GENERATOR FOR DEMONSTRATION PROJECT AT THE EERC**

The Energy & Environmental Research Center (EERC) at the University of North Dakota, in partnership with Cummins Power Generation, Inc., has begun a project to demonstrate the production of heat and power from high-moisture biomass. Cummins Power Generation, a world leader in the design and manufacture of power generation equipment, headquartered in Minneapolis, Minnesota, has provided the electrical generator for the project, a key component in producing 35–40 kW of power a day, enough for one home.

“The Cummins generator, which normally runs on natural gas, has been modified to run on synthetic natural gas (syngas) produced by an EERC-developed gasification unit,” said EERC research scientist and project manager Nikhil Patel.

The EERC’s gasification unit can convert a range of fuels, such as forestry, agricultural, and industrial biomass waste; animal waste; waste plastics; and railroad ties as well as a range of coals, into clean syngas. Together, the Cummins and EERC technologies will work in harmony as a gasification-based combined heat and power technology, with a variety of applications.

Another advantage of a combined heat and power system compared to a typical internal combustion generator operating on fossil fuel is its improved emission profiles. The physical properties of the biomass feedstocks, such as their origin,
storage, and aging, can often vary. That variation can affect the performance and, ultimately, impact stack emissions when used in a typical internal combustion generator. The synergistic and seamless integration of an advanced gasifier and the engine generator will overcome this limitation and achieve environmentally acceptable emissions. The project aims at demonstrating this fact.

The outcome of the project will lead to the development and demonstration of engine performance on syngas, producing data for environmental permitting and providing strategies for achieving emission levels that meet current and future environmental regulations, which are critical for successful commercialization of combined heat and power technologies.

Source: University of North Dakota, Energy & Environmental Research Center

National Crane 800D Tackles Extreme Terrain

Locke Crane Services, a full-service lifting contractor and crane rental company serving the New England area, added a unique National Crane 800D to its fleet.

A Locke customer needed a crane that could travel over very rough terrain to help replace and install power lines in remote areas of New England. While reach was important for this application, the real challenge was the crane's carrier. Locke needed a crane that was able to navigate difficult areas, many without roads.

Ken Locke, company owner and long-time Manitowoc customer, said most truck cranes provided the lift capability but were not well suited for the uneven terrain.

“We would usually use our 55 t truck crane for power line work, but it often got stuck in the sand or had trouble moving through heavily wooded areas,” he said. “So, we worked with Shawmut Equipment, our Manitowoc dealer, to find an alternative solution using a National Crane.”

A Caterpillar 574 forwarder, a type of forestry machine designed to operate in extremely rough terrain, was modified to carry a National Crane 800D.

Joe Vergoni, a sales representative for Shawmut Equipment, said the company worked closely with Locke to develop the unique crane.

“National Cranes are typically mounted on commercial truck chassis, but this unit was completely customized,” he said. “We removed the racks and grapple from the forwarder and customized the National Crane 800D to fit. Everything from the hydraulics to the operator station was completely re-thought for this project.”

Mr. Locke said the crane has been in the field since mid-May and has been performing very well.

The National Crane 800D is a 20.8 t capacity crane. It has a 30.4 m, four-section boom. It also features a patent-pending internal anti-two-block design which routes the wire inside the boom to avoid snagging.

Source: The Manitowoc Company, Inc.
the end-of-life service parts business for industry leading products, allowing OEM to focus their attention on improved performance and customer service for current and core product lines. We provide exceptional technical and parts support to our dealers worldwide.”

“We chose to partner with MinnPar because of their proven track record for customer service,” stated Kenneth Silverman, vice president Customer Support for Volvo Construction Equipment North America. “Their technical and customer support expertise ensures that current or future owners of Clark-Michigan based equipment will have continued availability of genuine OEM replacement parts.”

In transitioning the service parts business to MinnPar, Volvo Construction Equipment North America also transferred all engineering drawings, parts inventories, customer and supplier lists, and transactional records.

In March of this year, MinnPar also acquired the SuperPac compaction line from Volvo.

Source: Volvo CE North America, Inc.

ROCKY MOUNTAIN DEALERSHIPS ANNOUNCES NEW ACQUISITIONS

Rocky Mountain Dealerships Inc. announced recently that it has acquired Gateway Farm Equipment Ltd, a Case IH agriculture dealership in Grande Prairie, Alberta.

Rocky Mountain Dealerships also acquired holding companies owning Allen’s Agrocentre Ltd, a Case IH agriculture dealership in Oyen, Alberta.

Gateway and Allen’s will operate as branch locations of Hi-Way Service Ltd., a wholly owned subsidiary of Rocky Mountain.

Source: Rocky Mountain Dealerships Inc.

KAWASAKI ENGINES & POWER PRODUCTS PARTNERS WITH UPS

Kawasaki Motors Corp., U.S.A. Engine and Power Products Division will initiate a new storage and distribution system for its parts, accessories, handheld power products and engines. The company announced it will partner with UPS to consolidate and streamline all elements of the distribution business that support its dealers.

The new system will provide substantial benefits to the company’s dealers.

Source: Kawasaki Motors Corp.

US Radar Offers Self-Contained Sub-surface Penetrating Radar System

Featuring a technologically-advanced, yet simple touch screen operating system and a variety of antenna frequency options, The Seeker SPR from US Radar is an easy-to-operate, sub-surface penetrating radar system that is able to infiltrate numerous surfaces such as soil, clay, concrete and brick. The Seeker integrates a complete imaging system into one portable, user-friendly unit, making it a convenient and practical solution for a variety of industries, including general and underground construction, road and bridge building, structural and civil engineering, environmental, law enforcement and underground utility.

By transmitting energy pulses through a variety of mediums, the system is able to display an image of the sub-surface on the operator interface. Users have the ability to set a variety of parameters prior to each unique survey for maximized efficiency. Parameters including soil settings, algorithms, and color palette may be set quickly and easily via the touch screen. Furthermore, the system can be set to focus on a particular depth range, useful if the approximate depth of an object is known.

The Seeker is a non-destructive method of testing. It is both safe and environmentally friendly, as its frequency waves inflict no damage on the sub-surface or surroundings. Featuring battery-powered operation, the unit is virtually silent and creates minimal disturbance.

Source: US Radar

New Sennebogen Distributor

As the leading specialist in material handling equipment in western Canada, Mi-Jack Canada has expanded its lines of purpose-built machines with the addition of Sennebogen green line material handlers.

Constantino Lannes, president of Sennebogen LLC, welcomed Mi-Jack Canada to the company’s renowned dealer network. “Mi-Jack is among the world’s most respected names in heavy lifting applications. We are extremely pleased to have that level of expertise and focus representing Sennebogen equipment in Alberta and Saskatchewan.”

Brian Lynch, the manager of Mi-Jack Canada at its branch in Leduc, Alberta, sees these purpose-built material-handlers making quick in-roads into the region’s scrap-handling and recycling markets, where Sennebogen has become the industry leader. Logging and forestry, long-time mainstays of the Alberta and Saskatchewan economies, also represent significant potential as the industry turns around from the current recession.

The core of Mi-Jack Canada’s business is the company’s own highly regarded gantry cranes and intermodal equipment.

Source: Sennebogen LLC
Roto and Space Platforms Invaluable in Construction of the Metz Pompidou Centre

The Council Leaders of Metz believe that their new Pompidou Centre will bring their city to the forefront of European Arts, was justified when it was opened by France’s president Nicolas Sarkozy in May 2010.

It will become a showcase for French artists, with the works of Matisse, Picasso, Brancusi, Tinguely in evidence, amongst many others. And, it will also be a showcase for the very latest in design and building technologies. It is a work of harmony between steel, concrete and wood. Amongst which, the most obvious external sign is the sweeping cantilevered “tent” roof.

One of the world’s leading exponents of wood construction is the Weilheim-Bannholz company. The basis for the interwoven, prefabricated structure is a steel scaffold pipe system. This open structure permits access throughout the building process for boom-type lifts and platforms.

Rental company Amann GmbH was chosen to supply the machines for site use and had up to 5 Merlo Roto machines, of various sizes, in use at one time. Each of the 25 m, 21 m and 16 m Rotos was fitted with a Merlo SPACE system, which allows reach through and around the pipework structure.

The fixing of all of the various components and the mounting of the central tower crane, was possible because of the great versatility of the Roto and SPACE combination.

Each of the Rotos has a telescopic boom, of course. These range in sophistication from simple, three-section booms, up to the five-section assembly used on the biggest, the Roto 40.25 MCSS that gives over 25 m of lifting height.

The SPACE platform, however, adds two extra dimensions – not only does it have its own telescopic extension (up to 11 m), but it also allows the working basket to be slewed 300° around its vertical axis.

Not only can two workers (the platform has a safe working load of 200 kg) safely work at up to 36 m, but they can also go up through apertures in the structure and even around corners. A quite amazing flexibility!

Access inside the framework was difficult and these results could not have been achieved without a great degree of skill and co-operation from the operators of numerous machines.

The Roto MCSS, in particular, are ideal for this kind of complex job requirement. The Merlin Computerized Safety System (MCSS) has been developed in-house by Merlo engineers to guarantee safety, automatically compensating when the outrigger configuration is changed. A unique feature of the MCSS system, is its ability to work safely with the stabilizers asymmetrically deployed – even, for example, with the outriggers on one side completely retracted!

Operating from that 36 m platform, it is good to know that this EN280-compliant combination is completely safe!

Source: Merlo S.p.a.

Interoute&Ville Trade Show in Metz

Metz will play host to the 4th INTERROUTE&VILLE on October 26-28, 2010. Held in a different French region every 2 years, INTERROUTE&VILLE is the meeting point for the road community (contractors, project managers, private companies and public services) and addresses key issues facing the sector.

7000 professional visitors will visit the exhibits of 300 exhibitors featuring innovative products and new technology. 700 participants will attend conferences on sustainable mobility.

Metz is a city in the Lorraine region of France. The city possesses a rich history dating back 3000 years. It is renowned for its architecture and museums, notably the new Centre Pompidou-Metz, a museum of modern and contemporary arts.

Metz is connected to the French high speed train (TGV) network. Travel time is only 75 minutes from Paris-Charles de Gaulle Airport.

More information on www.interoute-ville.com
Michelin and Yellowstone Park Foundation Partner to Reduce Carbon Footprint

Although the amazing geological features, interesting wildlife and natural beauty of Yellowstone National Park get most of the attention, the world’s first national park also has more than 740 km of roads to maintain and approximately 3 million visitors to welcome each year. As the official tire of the Yellowstone Park Foundation, Michelin is helping the park achieve its goal to reduce the greenhouse gas emissions in the park by 30% by the year 2016 by providing its green, energy-saving tires for the park fleet.

“Since Michelin became the official tire of the Yellowstone Park Foundation in 2009, the park’s fleet managers have reported fuel savings on the first seven vehicles of as much as 20% compared to the previous tires,” said Don Baldwin, product category manager for Michelin Americas Truck Tires. “This translates into emissions savings of more than 4 t of CO₂ each year per truck. In addition, the Michelin tires are lasting twice as long as the previous tires, further reducing environmental impact.”

Michelin provides green, fuel-saving tires to a wide variety of vehicles in the park ranging from haul trucks and dump trucks to front-end loaders and other service vehicles. The tire maker’s most popular wide single truck tire, the Michelin X One XDN2 tire, is the featured tire on work trucks that operate both on- and off-road. Often unseen by visitors, these work vehicles are essential to maintaining the park for visitors, researchers and wildlife alike. Assuring that the fleet is fuel-efficient saves money but also significantly reduces carbon emissions.

In addition to providing tires, Michelin field engineers are frequently on-site to consult with fleet managers about optimizing the tires for the harsh Yellowstone environment. The idea behind this partnership is to help the park operate more efficiently, but also to learn as much as possible about how tires respond in extreme conditions.

“Yellowstone is the ideal proving ground for developing the best tires for our customers,” said Mr. Baldwin. “These trucks operate in extreme conditions all year round. From very low to high temperatures, in varying altitudes, in both dry and wet weather, and on all kinds of surfaces – from pavement to gravel, sand to snow – these trucks have to keep working. What we’re hearing is that Michelin tires have helped them do that more efficiently.”

Source: Michelin North America

Off-road Camper Trailers

Jeep® and Mopar® are setting up camp for off-road enthusiasts. They will be the first in the industry to offer customers off-road camper trailers.

Designed to meet off-road capabilities of Jeep 4x4 vehicles, Jeep Trail and Extreme Trail campers incorporate Jeep Wrangler’s rugged design cues. They were designed for the Jeep enthusiast looking to hit the trails with the family.

The Jeep Trail Edition camper features an extensive use of lightweight tubular-aluminum construction (no wood or fiberboard materials) in order to mitigate the additional load on the Jeep tow vehicle and make operation a breeze.

The Jeep Extreme Trail Edition camper is designed to handle maximum off-road capability that hard-core off-road enthusiasts crave, with additional trail equipment to go anywhere and do anything. Starting with the Jeep Trail Edition camper’s off-road engineered suspension, the Jeep Extreme Trail Edition camper ups the ante with a heavy-duty frame, 38 cm ground clearance and a full-underbody skid plate.

Source: Chrysler Group LLC
The InterCombi PB from Scheurle, a 3-in-1 Solution

Launched in November 2009, the new InterCombi PB (Power Booster) with shift-able drive axles, from Scheurle, has completed the required number of test drives. The InterCombi PB can now be operated as a self-propelled unit as well as coupled with other InterCombi platform trailers on German highways.

For the delivery of the InterCombi PB axles, no additional transport is required. The InterCombi PB unit is simply coupled to conventional InterCombi axles and can be driven up to speeds of 80 km/h as a trailing unit on rough terrain as well as public roads and motorways. With this, the InterCombi PB is revolutionary in the challenging transportation industry. The vehicle can be used as a self-propelled transport unit, as a trailing unit coupled to other InterCombi platform trailers or also as an additional thrust machine, i.e. as soon as the vehicle speed falls under 14 km/h, the driving gear starts automatically and thus providing sufficient thrust while driving on a critical incline.

Source: SCHEUERLE Fahrzeugfabrik GmbH

Unimog Shunts Construction Equipment by Rail Through Swiss Alpine Tunnel

During repair work to the Cassanawald Tunnel on the San Bernardino Pass, a Mercedes-Benz Unimog is being used to shunt an unusual configuration of construction equipment on railway freight wagons. The Road-rail Unimog U 406, built in 1971, has been upgraded to Euro 4 emission standards. Acting as a shunter locomotive, it pulls the heavy construction train weighing 60 t through the 1,2 km long Alpine tunnel.

Source: Daimler AG

Manitowoc 31000 Successfully Completes Test

Manitowoc Cranes has completed the required overload test of its Manitowoc 31000. The 31000, which has a 2300 t rated capacity, 2,5 million kg of test weight. All new crane designs must undergo an overload test to confirm the engineered capacity of the crane.

Larry Weyers, senior vice president of the Americas region, said the test went as expected, and engineers were please with how the crane performed under load. “The lift went very smoothly, and our unique Variable Position Counterweight worked perfectly,” he said. “Exactly as we expected.”

The Manitowoc 31000 was fitted with over 600 strain gauges that measure the tension or compression of the steel components of the crane while lifting. Kevin Blaney, manager of product marketing for crawler cranes, said that data from the test will be analysed to determine if any design changes are required in the production units of the Manitowoc 31000.

“We'll check the stresses in the structure to verify the preliminary capacities,” he said. “Then we will correct them up or down or modify structural components to assure that actual stresses are within accepted limits.”

Boom lengths on the 31000 will range from 55 m to 105 m. Various fixed and luffing jib setups will also be available.

Source: The Manitowoc Company, Inc.
Pro-Tech Introduces Switchblade™ Containment Plows

Pro-Tech introduces the Switchblade™ to its line of Sno Pusher containment plows. With its ability to switch between a rubber edge and steel trip edge, the Switchblade can handle changing weather and jobsite conditions without having to change plows. This unmatched versatility makes the unit ideal for serious snow and ice management professionals looking to increase productivity with snow pushers.

The steel edge of the Switchblade features Pro-Tech’s patented IST technology, which includes a steel edge mounted on a specially blended memory urethane. When an obstruction is hit, the edge flexes and snaps back to its original angle in a smooth, non-shocking trip action. Compared with traditional trip edge systems that use springs or hinges, IST reduces maintenance concerns as well as the risk of breaking. Because the new design uses a cutting edge that spans the entire width of the unit, the Switchblade eliminates snow trails at its sides. Furthermore, the wear shoes have been redesigned to cut through hard snowpack, keeping the edge in contact with the surface at all times.

When dealing with wet, heavy snow or surfaces that are sensitive to steel edges, the Switchblade can be easily flipped to push with a rubber edge, which acts as a squeegee to produce a clean pass. This edge is made from a 20-year-proven compound that adheres to the highest quality standards and requires low maintenance.

A total of 12 Switchblade models are available for attaching to any make of loader, backhoe or skid steer.

Source: Pro-Tech Manufacturing and Distribution, Inc.

ContiRT20 Performance for Forklifts and Industrial Trucks

The industrial tires business unit of Continental Tire the Americas, LLC has added an entirely new product to its portfolio. The ContiRT20 Performance, a premium pneumatic radial industrial tire, is designed with special features that reduce punctures, flats and heat buildup. Continental unveiled this tire in size 12.00 R 20 at bauma, the construction machines and equipment expo in Munich, Germany.

Many companies that handle lumber, block, brick, pipe and steel are willing to pay a premium to switch from bias-ply tires to Continental’s industrial radials. While Continental industrial radials consistently satisfy these demands for fewer flats and longer, cooler operation, market conditions now demand that industrial tires provide even greater puncture resistance, increased lateral stability and greater potential for retreading. The ContiRT20 Performance meets all of these demands and has been engineered to achieve up to 30% greater life expectancy than its predecessors.

Heavier-duty tread blocks, wide, flat-belt construction, reinforced steel beads, stiffened, more impact-resistant sidewalls, and a wider, abrasion-resistant tread are just some of the impressive design features of the ContiRT20 Performance. The tread depth of this tire was increased to the maximum to ensure the longest possible service life, even under arduous conditions. The tread pattern design, featuring wide grooves, provides reliable traction on both surfaced and unsurfaced ground.

Continental also designed this tire to meet environmental requirements, with an advanced low rolling resistance tread compound, which reduces energy and fuel consumption. The tire’s strength and high performance reserves will also allow for longer lifetimes and greater retreadability, which reduce waste from premature replacement of tires.

This tire line is available in 13 sizes with Speed Index A5 (25 km/h). Production began in April and further sizes may be introduced as the market demands, the company said. The ContiRT20 Performance can be installed with either a tube and flap, or with Continental’s TSR (Tubeless Sealing Ring) which guards against rapid deflation in the event of a tread or sidewall puncture.

Source: Continental Tire the Americas, LLC
Kubota Enters the Track Loader Market

Kubota Canada Ltd. announces the arrival of its new, eagerly-awaited compact track loaders. The SVL Series (Super Vertical Lift) SVL75 and SVL90 models. The new compact track loaders are Kubota designed, engineered, and manufactured to ensure quality consistent with other Kubota products, and to deliver the exceptional reliability, durability and performance that operators have come to expect from Kubota.

The Kubota SVL models are designed from the ground up to be a track loader. From the integrated mainframe and undercarriage to the original rubber track to the outstanding power and traction force, the SVL Series are built to set the new standard in the compact track loader market.

The 75 hp SVL75 and 90 hp SVL90 boast a lifting capacity of 2213 kg and 2662 kg respectively. Both models are powered by a four-cylinder, direct injection, turbo-charged Kubota diesel engine. The vertical lift loader allows for optimum reach and dumping capabilities.

The SVL’s offer a wide cab entrance and an ultra spacious, comfortable operator area. The roomy operator area features a high-back, fully adjustable suspension seat and ample leg and elbow room. A hand-and-foot throttle ensures exceptional versatility and the 2-speed travel and high ground clearance provide optimal travel performance. Visibility around the entire machine, and to the tracks and the bucket edge is clear from the seat. The rigid mount undercarriage and triple flange track rollers keep you working confidently on rough or sloped terrain.

Kubota’s SVL75 and SVL90 feature an easy tilt-up cabin for convenient access to all hydraulics. Daily maintenance checks for engine oil, fuel filter, water/fuel separator, air cleaner and coolant level are simple, and all grease fittings accessible from ground level. A slide-and-tilt radiator and oil cooler allow for easy cleaning and easy access to the engine compartment.

Source: Kubota Canada Ltd.
The city of Somerville, New Jersey, has applied the new 3M™ Scotchkote™ Spray In Place Pipe 269 Coating to a portion of its drinking water pipeline, as part of the U.S. Environmental Protection Agency’s (EPA) Aging Water Infrastructure Research Program. The 3M coating is a polyurea-based liner that resurfaces existing pipes to minimize water loss throughout the system.

The EPA’s scientific and engineering research program evaluates promising innovative technologies, such as 3M’s Scotchkote Spray In Place Pipe (SIPP) Coating, that can reduce costs, and improve the effectiveness of operation, maintenance and renewal of aging drinking water distribution systems. 3M SIPP 269 Coating offers a sustainable, cost-effective alternative to traditional water-pipe rehabilitation methods, such as total replacement and cement-mortar lining, that disrupt water flow to homes and businesses. With a one-hour cure time, 3M SIPP 269 minimizes the traditional side-effects of pipe repairs, such as detours on city streets.

The field project in Somerville will give industry and government officials an opportunity to put the product through several challenges to create a quality assurance protocol. The installation was conducted in partnership with the City and results will be evaluated by a team from Battelle, American Water and the EPA.

“As in many cities across the North America, portions of the water infrastructure in Somerville were showing signs of deterioration,” said Chad Carney, global marketing manager, 3M Water Infrastructure. “This field demonstration will rehabilitate an impacted section of Somerville’s pipeline, as well as provide performance and cost data that other cities can use to create new protocols and best practices for pipe rehabilitation.”

The 3M SIPP 269 is ideally suited for pipe diameters of 10 to 30 cm, and is approved to NSF/ANSI Standard 61. Source: 3M
K-Tec Earthmovers Announces a New Rental Program

K-Tec Earthmovers Inc., a construction scraper manufacturer located in Rosenort MB, has responded to contractors’ needs by introducing a rental program, which is available to the end user. Until now, K-Tec Scrapers have been available for rent only through dealers. As a fast growing company with few dealers, there are often situations where a contractor’s only option to get their hands on a K-Tec Scraper was through a purchase. This new rental program allows end users to rent factory direct if there is no K-Tec dealer in their area.

“With the economic slow down”, says president Ken Rempel, “K-Tec needed to come up with a solution that allowed end users to use our productive scrapers without having to purchase them. We still see contracts being awarded, but contractors are opting to use their existing equipment, even if it is less efficient. Our Rental Program will allow contractors to rent K-Tec scrapers on a monthly basis. This will help to reduce their overhead, while still using a cost effective solution.”

K-Tec has a service team in place to help contractors hook up their rented K-Tec to their existing tractor or rock truck (ADT). Ken Rempel says “All a contractor has to do is pick up the phone and give us a call. We will ship one or more scrapers and have our service team go to the job site and help them hook the scrapers to their tractors. In the case of a rock truck (ADT), the contractor will need to work closely with the K-Tec service team to prepare their truck as a scraper power unit.”

K-Tec has a number of different scrapers available in their rental fleet. These include the popular K-Tec 1228 and K-Tec 1233. K-Tec has been working with this rental concept for the last year, with favorable results. Whether through a dealer or directly through K-Tec, there is now a K-Tec scraper available for you to rent.

K-Tec Earthmovers Inc., a Canadian-based earthmover manufacturer, continues to provide earthmoving solutions that will get the job done faster, while maintaining a higher return on investment.

Source: K-Tec Earthmovers Inc.

Cat Auction Services’ Denver Auction to Include TARCO Dispersal

Cat Auction Services has announced it will hold an unreserved public auction in Denver, Colorado, on September 30th. Coming on the heels of heavy construction and agricultural equipment auctions in Des Moines, Iowa, and Omaha, Nebraska, Cat Auction Services returns to Colorado for the first time since its successful Grand Junction auction in early 2009. The event will be held at the TARCO, Inc., and will feature a broad assortment of heavy construction equipment from multiple consigners including a complete dispersal for TARCO, Inc.

More than 200 pieces of large equipment and a broad selection of smaller items and shop equipment have been consigned to the Denver auction thus far and more items are being added daily. The event is expected to generate interest around the world.

Potential buyers are invited to view the entire equipment list and detailed TA-1 level inspection reports online prior to the event by visiting www.catauctions.com. Real-time online bidding will be available on the day of the auction through the company’s website. Participants are encouraged to register early.

Cat Auction Services entered the heavy equipment auction arena in late 2008 and has been active across the United States. Reviews from all corners have been positive, and recent auctions have drawn buyers from 49 states and nearly three dozen countries. The recent auction in Omaha generated over $6 million in sales.

By conducting auctions that provide value to both the buyers and sellers, Cat Auction Services complements and enhances the relationship between Cat dealers and their customers. Cat Auction Services was formed through a unique partnership of Cat dealers with the endorsement of Caterpillar, Inc. The addition of a proprietary auction arm to the portfolio of services available to Cat customers and others in the heavy equipment industry builds upon the company’s existing customer loyalty.

Source: Cat Auction Services
Installation is complete for the 38 kW solar grid-tied photovoltaic system designed for the newly constructed Dr. David Suzuki Public School, in Windsor, Ontario.

The new solar system was engineered and installed by Canadian-based solar integrator, Carmanah Technologies for the Greater Essex County District School Board who received funding for the solar project through the Government of Ontario.

Capable of delivering up to 10% of the facility’s total energy needs, the new solar PV system is expected to serve as both a sustainable, revenue-generating power source as well as a functional learning tool for up to 500 students returning to classes in the fall. The new 5388 m² building, named after internationally renowned environmentalist, Dr. David Suzuki, is a standing demonstration of environmental design for the architectural and engineering community. The addition of the photovoltaic system is supporting the School’s application for LEED (Leadership in Environmental Engineering and Design) Platinum-level certification, the nation’s highest level of certification for green building design. If the application is approved, the Dr. David Suzuki Public School would be the first school in Canada to receive the environmental honor.

By including sustainable technology early in the building design process, the Greater Essex County District School Board hopes to incorporate the new technologies in both student academia and culture; the School is providing information kiosks throughout the building and a website that will inform students and guests about the energy and environmental technologies being employed. “We believe it is important to teach children about alternative energy sources as well as energy conservation,” stated Giuliana Hinchliffe, coordinator of Engineering, Facility Services Department, Greater Essex County District School Board.

The Greater Essex County School Board expects to activate the new Carmanah solar PV system as soon as the Ontario Power Authority Feed-In-Tariff process is complete. The OPA FIT program will reimburse the School Board for every kWh the solar system produces.

Source: Carmanah Technologies
**Flex-Mat® 3 Increases Screen Capacity & Material Throughput While Reducing Downtime**

Flex-Mat® 3 High-Performance, Self-Cleaning Screen Media from Montreal-based Major Wire Industries Limited helps operations increase screen capacity and material throughput while reducing downtime. Available for modular or tensioned screen decks, Flex-Mat 3 panels have more open area, providing up to 30% more screen capacity than woven wire and up to 50% more screen capacity than polyurethane and rubber panels. It employs independently vibrating wires that increase product throughput by up to 40% over traditional woven wire or polyurethane panels by increasing open area and eliminating any blinding, pegging and clogging. To date, Flex-Mat 3 is operating in more than 20 000 applications worldwide.

Some aggregate producers are switching to larger screen boxes to gain added capacity. Typically, producers can gain the same or more capacity by trying Flex-Mat 3 first and save money compared with purchasing larger screen boxes.

For tensioned screen decks, Flex-Mat 3’s signature lime green polyurethane strips align to the screen box’s crown bars and hold individual wires in place as they run from hook to hook. Wear life exceeds that of woven wire up to three times because there are no cross wires with high wear spots like there are with woven wire. On modular screen decks, Flex-Mat 3’s modular panels install easily, similar to traditional polyurethane and rubber panels. On both screen types, Flex-Mat 3’s wires vibrate independently to better separate material, virtually eliminating blinding, pegging or clogging. This minimizes downtime spent cleaning or replacing screen cloth, increasing production time.

Source: Major Wire Industries Limited

---

**A Chip Off the Old Block**

Petite, pretty and just 22 years old, Justina Porciello is not the kind of person you might expect to find breaking up concrete slabs for a living. Yet within the space of just a few months she has become an expert operator of hydrodemolition robots, helping to remove corroded concrete on Toronto’s underground car parks.

Maybe it is in her genes. Justina was introduced to the job by her father, David Porciello, who is hydrodemolition manager with Toronto’s Can Mar Contracting Ltd., and a highly respected authority on this specialized form of demolition work.

If there were initially some raised eyebrows on the prospect of a young girl pursuing this kind of a career in the construction industry, Justina is certainly proving the sceptics to be wrong.

David meanwhile is glowing with pride. “Without a doubt she is one of the best hydrodemolition operators I have ever trained,” he says.

According to Justina she never had any misgivings. “It took about three months’ training before I felt totally competent and now I just love the job,” she says.

She joined Can Mar in the spring, and in addition to operating the unit she also is responsible for its daily maintenance and is able to handle simple breakdowns.

Hydrodemolition is rapidly gaining popularity as a method of removing deteriorated concrete, a high-pressure water jet being used instead of a conventional jackhammer.

Because of the precision the water jet allows, deteriorated concrete can be cut away without damaging the sound concrete rebar.

It is cleaner and faster than jackhammer techniques and also eliminates the risk of operators suffering from “white finger”, an industrial injury triggered by the continual use of hand-held vibrating equipment.

Hydrodemolition is capable of treating up to 92.9 m²/day, and by comparison, about 15-20 jackhammer operators would be needed to achieve the same production level.

Can Mar’s new hydrodemolition division has successfully treated more than 37 161 m² of underground parking garage slabs and ramps in Toronto in the last 24 months alone.

Issued on behalf of Aquajet Systems AB by Joem Promotions
MB’s crusher buckets will be used in the construction of the new subway system in Tokyo, Japan. The Italian company will have the privilege of seeing its equipment play a leading role in the construction of one of the most cutting-edge infrastructures in the world.

Tokyo’s first subway opened on December 30th, 1927. Since then, the system has grown to over 195 km and 179 stations. Together with the metropolitan government-run Toei network, Tokyo Metro lines transport 8 million passengers daily. These underground lines are extremely important since they lead to benefits in terms of less traffic, reduced pollution-related problems and enhancement of public transportation that results from its execution.

Starting in 2012, the Fukutoshin Line will be directly connected to the Tokyu Toyoko Line, which runs between Shibuya and Yokohama.

The new subway will provide the city of Tokyo with a new look, and will entail a significant reduction in automobile use while easing transportation around the city.

This triumphant debut on the Japanese market confirms MB’s global leadership in the demolition and recycling sector. MB crusher buckets were the only ones deemed suitable for use in building the Japanese underground, as they can easily move around in crowded spaces in the city, while contributing to saving energy and respecting the environment.

Traditional crushing equipment could not be used since it was not possible to move the material to other locations, and would have led to significant difficulties in terms of noise, dust, safety and operation. MB’s BF60.1 and BF70.2, on the other hand, offer a perfect combination of versatility and manageability, avoiding the burdensome task of moving the material and producing the stabilized pavement directly on site, thereby saving time and reducing costs.

MB is becoming more and more international and its products are in demand throughout the world, because those who choose an MB crusher bucket immediately discover the benefits it offers compared to other technologies.

Source: MB S.p.A.
Despite the recent economic downturn Bay-Lynx Manufacturing of Ancaster Ontario has been hard at work developing a new product that is sure to change the Material Placing business for the better – the Bay-Lynx Ultralite, the first commercially produced aluminum stone spreader.

In early 2009 Bay-lynx started design on a new spreader with 3 goals: increased payload, better performance, and reduced maintenance costs.

To increase payload the tare weight had to come down. “The solution was simple,” says Mark Pennings, sales manager of Bay-Lynx Manufacturing, “the body needed to be constructed from aluminum. We knew that several operators have tried to fabricate their own aluminum spreaders in the past. These units were prone to structural failure. The design had to be radically different. After careful consideration and consultation with some very knowledgeable people in the aluminum fabrication industry, it was decided to use a double walled aluminum extrusion for the construction of the main body. The result was a weight savings of 1 t.”

During field trials another advantage of the design was revealed. The new body handled much better on the road and around the jobsite giving the operator an increased level of comfort when driving the Bay-Lynx Ultralite Spreader.

To increase efficiency the hydraulic system was redesigned, allowing certain materials to be placed over 30 m from the rear of the truck. An electronic control system monitors the hydraulics, allowing the spreader to operate at peak efficiency with discharge rates of up to 1150 t/h. The system also monitors operating hours, reminding the operator of key service intervals and making off-road fuel consumption logging and fuel tax returns much easier to calculate. An optional wireless remote system is available which has been proven to reduce operator fatigue and allow for better operator’s depth perception which equals better grade control and less wasted material.

Another goal of the Bay-Lynx design team was to reduce maintenance costs. Wear items that require replacement such as sprockets, chains and bearings were eliminated wherever possible. There is not one chain or sprocket on this machine with both the throw motor and the swing-drive being direct drive. There are no bearings or couplers on the main conveyor drive pulley. All of this adds up to less time in the shop and more time on the jobsite.

Besides the obvious weight savings, another advantage of the Ultralite aluminum spreader is its eye catching, corrosion resistant polished finish. Costly custom paint schemes to dress up your truck are unnecessary. Because these machines work in an environment where they are subject to road de-icing agents that are very corrosive and often are conveying materials that act as a catalyst to corrosion, most steel spreaders will require a complete sand blast and paint at least once during their lifespan. Not so with the Ultralite.

“All of these features add up to big savings in the long run,” says Jim Van Drunen vice president of Oshawa Sand & Gravel, who has been field testing the Ultralite since the start of the year. He estimates that with the additional tonnage hauled and placed each day through increased payload and reduced time onsite, along with the additional savings in maintenance costs, his initial increase in investment will be paid off in 18 months with an additional profit of over $100 000 over the life span of the machine, when compared to the conventional steel bodies he operates today.

Mr. Van Drunen has purchased the demo unit and has two more Ultralite Spreaders on order for delivery in early Spring 2011, with several other units already booked for delivery immediately after.

Is an aluminum spreader the right choice for you? You do the math.

Source: Bay-Lynx Manufacturing
DuPont and Oerlikon Launch New Photovoltaic Encapsulant to Deliver More Solar Power at Lower Cost

In the drive for more cost-effective solar energy, DuPont and Oerlikon Solar have collaborated on a new, ultra-thin white reflective solar photovoltaic encapsulant sheet that is part of the DuPont™ PV5200 Series. The new DuPont™ PV5223 white reflective polyvinyl butyral (PVB) encapsulant enables easier manufacturing of next-generation thin film photovoltaic modules that not only capture sunlight coming in, but also reflect more sunlight back through the module – delivering more power.

Encapsulants are among the most important materials to solar module manufacturers for high volume module sealing and integration. Choosing or creating the right material not only speeds module production, but can significantly improve long-term power output and module durability.

Designed for use with Oerlikon Solar’s Micromorph® technology, DuPont™ PV5223 white reflective PVB encapsulant sheet increases light reflectivity by more than 50% versus paint, to an almost perfect 94% reflectivity. The new ultra-thin (0.45 mm) encapsulant also is more than 40% lighter in weight than traditional 0.76 mm PVB encapsulants.

“The PV5200 Series enables more power from our modules, lower material use, a smaller environmental footprint and easier lamination. It all adds up to a bright outlook for our module manufacturing customers,” said Ivan Sinicco, senior manager, Module Development – Oerlikon Solar.

DuPont worked closely with Oerlikon Solar research and testing labs to optimize the new encapsulant sheet for solar module durability and ease of manufacturing. Tests indicate DuPont™ PV5223 delivers stronger adhesion than clear PVB sheet materials, which translates into tougher, longer-life modules.

Oerlikon Solar designs and manufactures field-proven equipment and end-to-end manufacturing lines for the mass production of thin film silicon solar modules.

Source: DuPont
Asphalt Drum Mixers, Inc. (ADM) has added a warm-mix asphalt system to its Milemaker™ Series asphalt plants. The new system delivers even more versatility to the plants, which boast to be the most fuel-efficient, mix-design flexible and productive plants within the 145 to 385 t/h range.

Previously producing only hot-mix asphalt designs, the Milemaker now has the capability to introduce water or other chemicals into liquid asphalt entering the plant, thereby appropriately lowering the temperature to warm-mix specifications. The dual-drum plants use counterflow technology, which operates separate drying and mixing zones to achieve the maximum level of heat transfer and fuel efficiency. This enables the Milemaker to achieve a high production volume and an extremely low cost-per-tonne average.

Milemaker plants, which are available in portable, relocatable or stationary versions, meet all federal and state specifications and consistently produce quality asphalt to help protect operators against out-of-spec damages. While producing the latest mix designs, the plants also come prepared for future job specifications since dual-drum systems easily can be adapted to accommodate new mix specifications.

A wide range of components further customizes each plant for particular customer needs. Available individual components include cold feed bins, hot oil asphalt cement tanks (both horizontal and vertical), direct-fired horizontal cement tanks, portable and stationary bag houses, mineral filler systems, recycled asphalt pavement systems, self-erect and stationary silos, weigh and drag conveyors, weigh batchers and fuel oil tanks.

ADM keeps the environment a priority in its designs. The Milemaker ranks as the most environmentally sound asphalt plant in its class. By using counter flow...
Light Ride-On Machines from Ammann Are Right On

Today, rental operators have the opportunity to offer their customers a complete selection of Ammann ride-on machines in the 2 - 5 t range for their soil compaction needs.

Large cabs, positioned on vibration-free bearings, virtually eliminate any stress on the operator. Automotive-styled steering and one hand operation of vibration and blade functions simplify on-the-job handling.

For maximum versatility, where equipped with an optional dozer blade, Ammann rollers can be used for backfilling and compaction work thereby minimizing the number of pieces of equipment required on the site. For increased utilization, the RW models can be ordered in either smooth drum or padfoot configuration and an optional shell kit can be ordered for either machine to simplify the conversion from one to another.

The overall compact design and low center of gravity of the RW Series, makes the machines ideal for unlimited applications including everything from roadways and driveways to trenches.

Source: Ammann Canada
Crosswind Specialty Sweeper for Racetrack Applications

The new Crosswind Specialty Track Sweeper from Elgin Sweeper is making its debut at NASCAR racetracks around the country this racing season. This regenerative air sweeper includes unique features developed for racetrack sweeping and maintenance applications, including a 566 m³/min-rated blower, a hydraulically-driven, plastic bristle side broom on one side of the sweeper and a high-performance air-blast nozzle on the other side. For remote cleaning, the unit also features a soft wall cleaning attachment and a large jib boom-mounted 20 cm rear vacuum hose for the big jobs.

The Crosswind Specialty Track Sweeper can clean a wide, 297 cm path with its side broom and pickup head. With its side air-blast nozzle, debris can be blown off the track for distances up to 15 m. The sweeper has a generous 6,1 m³ hopper to contain ample track debris. The 2010 Freightliner M2 chassis features dual controls for operation from either the right- or left-side of the cab. The dual engine sweeper features a 115 hp turbocharged diesel engine for the sweeper and a 200 hp diesel chassis engine.

Sporting a unique racing-themed graphics wrap, the sweeper is easy to spot as it makes its rounds.

Brian Giles, sweeper product manager at Elgin Sweeper, said the new sweeper was engineered with input from racetrack officials in the NASCAR circuit. Elgin Sweeper representatives – along with Jeff Miles from Key Equipment & Supply Company, an Elgin Sweeper dealer based in Kansas City, Kansas – participated in, and conducted a training class at, the annual NASCAR Security and Services Summit to address various operations, fire and safety, medical and security issues, including track maintenance.

In addition to sweeping the racetracks, Mr. Giles said the Crosswind Specialty Track Sweeper can also quickly and efficiently remove standing water, rubber and debris in and around the pit area, which contributes to the overall safety of the racers, their crews and spectators. The machine has a special oil-dry pickup feature to significantly reduce airborne dust without spraying water on the race surface which could create a slick surface.

The top transport speed of the Crosswind Specialty Track Sweeper clocks in at approximately 110 km/h, ensuring prompt response on and off the track.

The soft wall cleaning attachment on the sweeper handles water, debris and rubber cleanup. The attachment features a 6 m-long lightweight hose for easy operator control, an aluminum vacuum end tube for increased durability and a quick-disconnect for fast and easy installation and storage. For general cleaning, a larger rear door wandering hose is available.

Source: Federal Signal Corporation

With more readers across Canada than any other trade magazine, InfraStructures offers you the widest coverage available to advertise your products and services.

With readers involved in all aspects of the industry, InfraStructures offers you the deepest coverage available to advertise your products and services.

Choose InfraStructures for your next campaign.
Cummins MerCruiser Diesel (CMD), a supplier of marine propulsion solutions, and Volkswagen recently concluded a partnership to develop and supply marine engines.

Commitments include the joint development of marine engines that will comply with the future Tier 3 emissions standard. Volkswagen is a leading manufacturer of diesel marine engines with a maximum rating of 350 hp and will set up series production of the new engine generation at its plant in Salzgitter, Germany. Furthermore, under the agreement, all Volkswagen marine engines will from 2011 on be exclusively supplied to CMD and marketed under the CMD name.

The Tier 3 emissions standard comes into effect in the United States in 2012, with the corresponding European standards following from 2014 onwards. Tier 3 prescribes significantly lower thresholds for emissions of nitrous oxides (NOx) and other pollutants and requires the further development of diesel combustion technology.

“The strategic marine business offers significant potential for both partners. We bring to the alliance our technological know-how in engine production and the high quality standard of Volkswagen products. CMD has expert knowledge of marine applications and is well known for its success in marine engine distribution and service,” said Professor Dr. Werner Neubauer, member of the Board of Management of the Volkswagen brand responsible for Components.

“We are delighted with this union. It brings together the best minds and capacities in the field of marine propulsion systems,” commented Alex Savelli, president of Cummins MerCruiser Diesel. “We are convinced the relationship with Volkswagen will put us in a position to meet the requirements of the new exhaust legislation for the marine industry well before it comes into effect. Our alliance will not only culminate in new products that set the ecological benchmark in their class, but will also bring added value with regard to reliability, reduced noise and vibrations, size, weight and price.”

Source: Volkswagen

Johnson Matthey’s SCRT® System Approved by EPA

The U.S. Environmental Protection Agency (EPA) has verified Johnson Matthey’s innovative SCRT® System as the first 4-way emission control technology for on-road vehicles. Applicable to 1994-2002 model year engines, the SCRT system is verified to reduce nitrous oxides (NOx) emissions by 70% and cut carbon monoxide (CO), hydrocarbon (HC) and particulate matter (PM) emissions by more than 90%.

Johnson Matthey combined two of its highly successful catalytic technologies to develop the SCRT system. They include a urea-based SCR system, which has been used successfully for some 30 years on a wide range of stationary engines and other industrial applications, and the patented CRT® particulate filter, which was introduced in the 1990s and was also the first particulate filter to be EPA/CARB verified.

Johnson Matthey has more than 50 demonstration units running in California and Texas and after thousands of hours of operation, the SCRT system retrofits on both EGR and non-EGR engines has reduced NOx emissions by as much as 84%.

Source: Johnson Matthey

Smith Electric Vehicle Orders
Enova Drive Systems

Enova Systems, Inc. has moved toward large scale production supply of its all-electric drive system for the Smith Newton, the world’s largest battery-electric-powered production truck.

Smith has placed an order for 50 units of Enova’s 120 kW drive system. This order follows two from earlier in the year, totaling 120 units year-to-date, and will be installed into the Smith Newton truck in Kansas City, Missouri.

The order for 50 Enova 120kW drive systems is on track to culminate in a total order of over 250 by year end. Smith Electric U.S. was recently awarded a grant by the U.S. Department of Energy (DOE) which is being used to offset the cost of future vehicle development and to incentivize customers to participate in a vehicle demonstration program.

Source: Enova Systems, Inc.
IPD announced recently the launch of their new product line of replacement parts the Cummins® ISX and QSX on highway and industrial diesel engines. The initial offering will include components for in-frame rebuild, pistons, cylinder liners, bearings and gaskets kits as well as valve train rebuild parts. Within the past year, IPD has substantially expanded their product line coverage and has plans for continued development. “As IPD grows our business, adding the Cummins® ISX engine was a natural progression for our on highway truck offering. IPD has a long history of experience working in the Caterpillar® on highway truck market with engine models such as 3406, C12 and C15, along with many others. This experience has laid the foundation to expand our on highway coverage to one of the more popular engine models in this market.“ stated Bob Straw, vice president of sales and marketing, IPD. “Also, with IPD’s roots in industrial applications adding the QSX engine with its many similarities to the ISX made perfect sense to include in our offering as well”, continued Mr. Straw.

This product line will feature an aftermarket industry first, one piece steel pistons in both open and closed skirt designs. These new pistons will utilize IPD’s patent pending technology of manufacturing one piece steel pistons from a high strength alloy and heat-treated steel casting. This process was introduced into their product line in 2003 and has been successfully and extensively tested.

“IPD is excited to offer this new product line as we receive frequent request from distributors for quality parts for these models” stated Steve Scott, director of Product Development, IPD. “Additionally being able to provide one piece steel piston gives customers the opportunity to purchase reliable quality parts at discounted prices which is exactly what the market is demanding”, continues Mr. Scott.

IPD anticipates high demand for this new product line and has increased production capacity for all parts and components.

Source: IPD

All manufacturers’ names, numbers, symbols and descriptions are for reference only. It is not implied that any part is the product of the manufacturer. Caterpillar® and Cat® are registered trademarks of Caterpillar Inc. Detroit Diesel® is a registered trademark of Detroit Diesel Corporation. Cummins® is a registered trademark of Cummins Inc.

Trelleborg Wheel Systems announces a strategic partnership with Travale Tire & Service Inc. Travale Tire will distribute and provide service for Trelleborg’s industrial tires in the greater Toronto area (GTA.)

“Travale Tire has a reputation for service and a vision for business growth that make them the ideal candidate for our partnership in Toronto,” said Ydo Doornbos, managing director of Trelleborg Wheel Systems, Americas Inc. “As we continue to expand our presence throughout Ontario and Canada, finding the right partners is key to our success.”

Travale Tire offers service and sales support throughout the Southern Ontario area combining in house and mobile service, years of experience and a reputation for quality. Expanding further in Southern Ontario, Travale offers the support of warehouses in Hamilton, Etobicoke and Niagara.

Source: Trelleborg Wheel Systems Americas, Inc.
Kenworth T700 and PACCAR MX Engine on Canadian Road Tour

Kenworth Truck Company’s new Kenworth T700 and PACCAR MX engine is visiting 13 Canadian dealerships.

The Kenworth T700 and PACCAR MX Engine Canadian Road Tour features the Kenworth T700 model equipped with a 2010 PACCAR MX engine. The tour trailer showcased information on the two new products in addition to the new Kenworth NavPlus™ (a navigation plus infotainment system), AG130 front air suspension, and other Kenworth products. The Eaton® UltraShift® Plus automated transmission was also showcased.

The PACCAR MX engine has accumulated over 80 million km in rigorous and severe conditions. The engine is available with a horsepower range of 380 to 485 hp and torque output up to 1750 lb ft.

The Kenworth T700 and PACCAR MX Engine Canadian Road Tour opened on September 7th, at Inland Kenworth in Langley, British Columbia, and will conclude at Bayview Kenworth, in Moncton, New Brunswick, on October 1st.

Source: PACCAR

SVT Raptor Adds SuperCrew Option

A newly available SuperCrew expands the versatility of the 2011 Ford F-150 SVT Raptor.

The Baja-racer inspired Raptor is powered by a 411 hp 6.2 l V8 and features comprehensive chassis and suspension enhancements and massive BFGoodrich® All-Terrain TA/KO 315/70 17 tires.

A Raptor Plus Package, includes a rear view camera and trailer brake controller.

Source: Ford Motor Company
Appointments

The Engines and Power Products Division of Kawasaki Motors Corp., U.S.A. has announced the promotion of Laura Holtrop to the position of OEM sales manager. She joins Tim Malinowski, the other OEM sales manager, and Senior OEM sales manager, Randy Lockyear, in helping to further expand this growing segment.

Ms. Holtrop, an 11-year Kawasaki veteran, most recently was the senior sales specialist, dealing only with the company’s OEM engine accounts. She has held various positions focusing primarily on the day-to-day operational issues and production scheduling.

In her new role, Laura Holtrop will have responsibility for maintaining and expanding Kawasaki’s OEM business and will assume the primary contact position with a portion of the company’s core accounts. She will also oversee internal communications with that group of OEM partners and be involved in all aspects of market research and trend evaluation related to Kawasaki’s OEM business.

Source: Kawasaki Motors Corp., U.S.A.

Autocar is honored to announce the addition of Steve Ginter to its team as director, Business and Product Development – Eastern Region. In this role, Mr. Ginter will be responsible for improving Autocar’s existing product line and assisting in the commercialization of new products.

A Masters of Science graduate in Industrial Engineering from Lehigh University, Steve Ginter has spent nearly his entire professional career in the class eight truck industry, excelling in a variety of roles from engineering to sales.

Source: Autocar, LLC

Godwin Pumps announces the appointment of Per Ohstrom as its vice president of Worldwide Marketing and Business Development, based at the company's Bridgeport, New Jersey headquarters.

Joining Godwin from RSC Equipment Rental. Prior to RSC, he previously provided marketing leadership at billion-dollar companies including Hagemeyer North America, CHEP, Rohm and Haas and International Paper.

Godwin Pumps is a direct, wholly-owned subsidiary of ITT Corporation.

Source: Godwin Pumps of America, Inc.

Distributor Program Is Set at Hardscape North America

Hardscape North America (HNA) announces “Secrets of a Successful Hardscape Distributor” – the 2010 Hardscape Distributor Program. The program is to take on October 27th, a day before the newly co-located Hardscape North America and GIE+EXPO trade show, in Louisville Kentucky. The program is full of “real world” information to help hardscape distributors be successful.

“The program is designed to help with providing proven strategies to operate a successful hardscape distributorship”, comments Lynn Barnhart, Distributor Program Chair, “this day-long workshop, will share some of the best ideas for greater profits.”

Attendees will have the opportunity to attend two small group sessions. Attendees will choose from these great topics: Established hardscape distributors who want to grow market share; New(er) to hardscapes, how do I grow?; How to sponsor certification training; Effective employee relations and training; Operating multiple locations and Smart financial operations.

For the latest details about the program, visit the Hardscape North America website. It is easy to register by visiting www.HardscapeNA.com

Source: Hardscape North America

ALLU at bauma China 2010

Over the years, bauma China has grown in size as well as in the number of visitors attending the exhibition. It is now considered to be the leading international fair in China and Asia for the construction machinery industry.

ALLU Finland Oy is the leading manufacturer of screener crushers and stabilization systems, the company’s main product groups. ALLU designs, manufactures and markets its products for the demanding earthmoving sector. The first contact on Chinese market was about 7 years ago and since then ALLU has established its own subsidiary in Shanghai.

Ever since the very first Bauma China in 2002, ALLU has always participated at the exhibition and 2010 is no exception.

ALLU launched its complete D-series attachments for screening and crushing at bauma, in April 2010. Now the novelty is going to be launched also for the Chinese market in bauma China. The D-series product range provides solutions from the smallest skid steer loaders, up to the larger 45 t excavators and 27 t wheel loaders. The range now offers a complete solution of material processing from fine screening to crushing and blending as well as for soil remediation and stabilization. The varied solutions offered by ALLU are endless. All in all, the complete series includes 37 different models.

ALLU Finland will be participating the Bauma China 2010 exhibition on an outside stand B15.
Ottawa to Host Canadian Bridge Safety and Longevity Conference

Ottawa, Ontario will be the venue for BRIDGELIFE 2010, an international conference and exposition focused on bridge asset management on November 18 - 19, at the Ottawa Marriott. Within the major focus the themes will include management, monitoring and new materials.

BRIDGELIFE 2010 will make an important contribution to ensuring the safety and sustainability of Canadian infrastructure. Bridge asset management has become a matter of great public concern in recent years. At the same time, new materials and monitoring techniques have been developed that will help extend the safe, useful life of bridge structures.

The conference and expo is intended to provide bridge asset management professionals and those responsible for bridge operations with current information in key areas. Participants will share ideas on strategic approach, best practices, tools and technology for asset management, enhanced reliability and increasing longevity of bridge assets. Prioritizing limited resources and expert views on the future will also be discussed.

Conference speakers will include bridge owners and their support teams. Provincial, state, municipal, national bridge and private sector owners are participating. Also present will be experts and international technology companies offering cutting edge solutions.

The conference will feature sponsors and exhibitors that to date include Schoeck Canada, Salit Specialty Rebar (SSR), Pultral, SIKA Canada, Structural-Bridges, Fyfe Co., Hughes Brothers, OZ Optics, Roctest, Guardian Bridge Inc., and MacDonnell Group.

Source: MacDonnell Cultural Productions

Intermat Middle East is Born!

The very first Intermat Middle East will take place March 28 - 30, 2011, in the Abu Dhabi National Exhibitions Company Centre in Abu Dhabi, United Arab Emirates.

Intermat Middle East will take advantage of the Arabian Construction Week held simultaneously to draw numerous visitors from the Middle East, Africa, the Gulf, Iran and the Eurasian countries.

In developing a trade event for the United Arab Emirates, Comexposium and its partners will give professionals from the worldwide road and urban infrastructure and interurban transport industries the opportunity to penetrate the MENA markets (Middle East and Northern Africa), whose major project portfolio totals $3 trillion. In 2010, the United Arab Emirates will form the largest market in the region with 1600 projects underway in construction, non-residential buildings, civil engineering/infrastructures and tourism.

Intermat which takes place every 3 years in Paris and, in the last for 25 years, has become the second largest construction sector exhibition worldwide, is joining forces with MECOM Forums, an international company located in Abu Dhabi, to launch Intermat Middle East in 2011.

Creating Intermat Middle East, a meeting place for international equipment and techniques suppliers with construction companies, was a logical step in view of the Middle Eastern countries’ development.

“A large number of Intermat exhibitors, with the support of their professional bodies, have already shown great interest in the event. In fact, the Intermat Middle East exhibition launch fits with their current export strategy for this part of the world so they have responded very positively to our invitation. Our target is to welcome 180 exhibitors in 20,000 m² of gross exhibition area,” declares Maryvonne Lanoë, Intermat exhibition manager. “Thanks to this initiative and to the global reach of the Intermat brand, we can guarantee our exhibitors the opportunity to fulfil their export sales and marketing ambitions in the MENA region,” she adds.

The next Arabian Construction Week will combine three events dedicated to the construction industries: Green Building Middle East, Future Build Middle East and Civil Engineering Middle East.

Source: Comexposium
You can count on us to keep you well informed on what is hot in the industry. InfraStructures brings the news to your desk like no other!

The 2011 Media Kit for InfraStructures is available for download on the web! www.infrastructures.com

Advertise in the only magazine targeting your entire customer base across Canada!
Building roads together
26-27-28 October 2010 - METZ

The exhibition
- 250 exhibitors
- 10 000 sq.m exhibition area
- 7 000 visitors

The leading conference:
“Transport infrastructures and sustainable mobility: the challenges and outlook for the regions”
- 28 conferences
- 700 conference participants

Programme and registration at
www.interoute-ville.com

Under the patronage of:
Jean-Louis Borloo, Minister of State for Ecology, Energy, Sustainable Development and the Sea, with responsibility for Green Technologies and Negotiations about Climate Change.

AMF - Association des Mayors de France

Under the patronage of:
ATR

Expertise based on strong professional attendance:

Assemblée des Départements de France
2010 KENWORTH T-470H
attache-rapide AR9000, benne quatre saisons
AR9000 quick-attach, four-season dump body

2010 PETERBILT 340
attache-rapide AR9000, benne quatre saisons
AR9000 quick-attach, four-season dump body

NOUVEAU SENS UNIQUE SU8500
NEW SU8500 ONE-WAY PLOW

Prix spécial de lancement
Special Introductory price
$5,999

Certaines conditions s'appliquent. Prix valide jusqu'à épuisement des stocks.
Some conditions may apply. Price valid while stocks last.

André St-Louis
514-923-2969

Serge Desroches
514-929-0767

Nicolas Côté-Simard
418-5713383

WWW.W-COTE.COM
450-691-2967
19 rue Côté, Mercier, Quebec J6R 2B9