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A Brief Word...

One hopes that all of you reading this will appreciate the irony of preparing a snow issue in the midst of a record breaking heat wave.

So why do we do it? Well, it is not because the cool thoughts compensate for a lack of A/C when it is 39°C in the shade! Like everything we do at InfraStructures, we do it to inform and occasionally entertain our readership. Little wonder we are Canada's leading industry publication.

If there are only two dates clearly marked on every municipal and contractor calendar then they are; "End of half loads" and "Winter Operations-Start". The first is not generally as dramatic as the latter and it is that sense of crisis and drama that the focus of this issue will help you with. After all, Winter Operations balance on two key issues: Money and Availability, both of which diminish exponentially between now and Guy Fawkes Day (November 5th, if you are asking.) You might say; Early to Bid, Early to Buy makes Jack Frost an unhappy guy.

So with thoughts of pending school fees and if you will get that last job done before frost, read, ponder and enjoy.

Cheers,



On the cover:

Les Entreprises Charles Maisonneuve ltée acquired brand new CL Series snow plows from SSTA. They perform in multiple positions thanks to panels that swivel over 180°. Their versatility allows them to remove snow on public roads as well as large parking surfaces.

SSTA plows are made by Soudures Richard St-Amant inc. and available throughout Canada.

SAINT-GOBAIN TECHNICAL FABRICS IS NOW SAINT-GOBAIN ADFORS

Saint-Gobain Technical Fabrics is pleased to announce that they have changed their company name to Saint-Gobain ADFORS. The new Saint-Gobain ADFORS identity was revealed at the 2011 Techtexil trade fair in Frankfurt, Germany and the SAMPE show in Long Beach, California.

Recognizing the need for a strong brand

name in the market, the company set out to develop a new name which would reinforce their strength and position in the industrial and construction markets.

The ADFORS brand was created using a leading international agency that specializes in developing global brand names. The name was created on two very straightforward roots: "ad" (to add, to join, to combine), and "fors" (force, reinforcement). ADFORS means to "add reinforce-

ment" to your building or product.

"We look forward to building brand equity with the new name by offering best in class service and excellent product innovation" says Rudi Coetzee, general manager Saint-Gobain ADFORS America, Inc. "The new ADFORS name provides us the opportunity to really build a strong brand backed by the globally recognized Saint-Gobain."

Saint-Gobain ADFORS manufactures reinforcement fabrics from traditional and innovative techniques including laid scrim, weaving, knitting, mat forming, lamination and coating. Saint-Gobain ADFORS is still the only company that offers all these technologies under one roof to provide a diverse range of products. With on-site chemists and engineers we continually work with our customers to develop and refine their product reinforcements. Saint-Gobain ADFORS is also well known for their leading brands which include: FibaTape® drywall finishing products and accessories, New York Wire® insect screening and accessories, GlasGrid® pavement reinforcement grids and Novelio® wall coverings.

Source: Saint-Gobain Group

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OPTRON-GEOFIX APPOINTED LEICA GEOSYSTEMS CONSTRUCTION POSITIONING DEALER FOR SOUTHERN QUEBEC

Optron-Geofix, a construction and land surveying equipment dealer, has been appointed as a Leica Geosystems dealer for GPS, robotics, and total stations in Southern Quebec. "Many of our customers use Leica land surveying equipment to measure bridges, tunnels, and other big structures," says Optron-Geofix president Bob Beaudin.

According to Peter Hettstedt general manager, Leica Geosystems, Canada, "Optron-Geofix has always had an excellent reputation for service and support, and these are some of the key attributes we look for with our business partners. This is what sets us apart from our competitors and builds a high-degree of customer satisfaction and loyalty to the Leica Geosystems brand. We are therefore excited to be working with the team at Optron-Geofix."

Optron-Geofix, located in Laval, Quebec near Montreal, chose Leica Geosystems because of its reputation for precision optics as well as the demand for its total stations, GPS, and robotics from Optron's

existing customers.

"In the winter, the temperature in Quebec can reach -20°C," says Mr. Beaudin. "But Leica can withstand that, and the extreme cold does not affect the precision of the instruments." Another advantage is that Leica systems are available in both English and French versions; and Quebec is mostly French speaking.

He concluded, "With its Swiss-made, high-end optical tooling, Leica Geosystems is the Mercedes-Benz of total stations and robotics. Some other brands of instruments are not as precise and can be as much as a centimeter off; you don't get that with Leica. And nobody comes close to Leica Geosystems for dealer support; your call is returned in minutes instead of hours or days. They are the best organization I have seen in my 27 years in this business."

Source: Leica Geosystems

COCO PAVING ANNOUNCES NEW ACQUISITIONS IN WINDSOR AND DURHAM REGION

Coco Paving Inc. is proud to announce the recent asset acquisitions of Dunn Paving Group, in Windsor, Ron Robinson Limited and Kovacs Sand and Gravel, both in Durham Region, Ontario.

As of March 11th, 2011, Coco Paving purchased Dunn Paving, a privately owned heavy civil construction firm with an asphalt plant and expertise in Recycled Cold-in-Place Paving. With this acquisition, Coco Paving strengthens its position to compete for provincial, municipal and private works, in a region where the company was originally founded by William and Nina Coco.

"The Dunn Paving transaction further strengthens our staffing complement and competitiveness, in our already vibrant business market," said Jenny Coco, CEO of Coco Paving. "And, the acquisition of Ron Robinson and Kovacs solidifies Coco Paving's heavy construction presence throughout Ontario."

Ron Robinson Limited is a Durham Region-based heavy construction contrac-

tor specializing in sewers and water mains, road construction and underground hydro works. Kovacs Sand and Gravel operates quarries supplying crushed stone, sand and gravel.

Source: Coco Paving Inc.

NEW ENGINEERING BUILDING AT YORK

UNIVERSITY

York University president & vice-chancellor Mamdouh Shoukri and the Hon. John Milloy, Ontario Minister of Training, Colleges and Universities, recently announced a \$50 million capital investment for a new engineering building at York's Keele campus. One of the largest expansions in the

Grainger Presents Summertime Safety Tips to Help Workers Stay Cool

In conjunction with U.S. National Safety Month, Grainger, North America's largest distributor of safety products, shares five quick tips to help workers stay cool this summer.

1) Drink water moderately, but often - Whether outside or in a facility with no air conditioning, drink small amounts of water every 15 minutes, even if you are not thirsty. Avoid drinking large quantities of water at once to avoid sodium depletion, which can cause fainting, fatigue and cramping, among other negative symptoms.

2) Choose a sunscreen that offers "full spectrum" protection - A sunscreen's SPF rating is not always the best way to verify the best product. Some sunscreens with high SPF protect from UVB rays only, so look for one that offers UVA protection as well. If you are in an outdoor work environment where you risk bug bites, put on sunscreen first, followed by insect repellent. Also, be sure to check out the FDA's new regulations to sunscreen products for more information on this topic.

3) Wear safety glasses with UV protection - It is not just your skin that needs protection while out in the sun. Eyes can easily suffer from too much sun exposure, so when selecting safety glasses for a job site, select a pair that offers UV protection. Many clear polycarbonate lenses offer as much UV protection as tinted lens, so research with your safety supplier to learn what glasses will provide protection and work for your functional needs.

4) Choose lightweight clothing - If appropriate in the work environment, wear clothing that is non-confining and made of a light, breathable fabric, like cotton. When choosing safety accessories, such a reflective vest, select one that is lightweight to avoid excessive sweating and warmth.


5) Know the difference between heat exhaustion and heat stroke - Heat exhaustion occurs when you have been exposed to high temperatures and you become dehydrated. If ignored, heat exhaustion can result in heat stroke, which is when the body's core temperature exceeds 105° and starts to lose consciousness. When in doubt, call 911 if you or a co-worker becomes ill in the summer heat.

"Providing a healthy and safe working environment for your employees is important in managing a successful organization," said Kirsten Elms-Kelleher, Safety Services & Solutions development manager, at Grainger. "Education and prevention are critical to keeping workers safe on the job this summer and all year round."

Grainger has a safety catalog with more than 50,000 safety products in categories such as workplace safety, employee and guest safety, first aid and public safety, environmental safety and product safety. In addition to products, Grainger has expanded its safety services to include safety training, first aid replenishment and more. Grainger Online SafetyManagerSM, launched earlier this year, provides easy-to-use online management tools that help businesses manage safety and risk more efficiently and cost effectively, as well as other tools to help reduce workplace injuries, accidents and workplace related fines. Grainger's KeepStock™ portfolio of managed inventory solutions helps customers maintain their safety product inventory to fit their unique business needs.

For more information about how to prevent heat related injuries, review the Occupational Safety and Health Administration (OSHA) Campaign to Prevent Heat Illness in Outdoor Workers.

Source: W.W. Grainger, Inc.



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

University's history, the project is expected to have an important impact on the future academic landscape of the University.

Engineering has featured in academic plans since the University was founded in 1959. This investment paves the way to an expanded engineering program consistent with York University's traditional emphasis on disciplinary richness, collaboration and transformation.

The creation of a new building is the most significant component of York University's plan to meet the need for engineering graduates in Ontario's growing knowledge-based creative economy.

The Faculty of Science and Engineering at York currently offers an accredited and high quality suite of engineering streams: Computer, Geomatics and Space. York's Space Engineering stream is the only undergraduate program of its kind in Canada with a unique research relationship with Canadian Space Agency (CSA) and National Aeronautics and Space Administration (NASA).

Starting in September 2011, Software Engineering will be available to students. The Ontario government funding will enable York to further expand to a more comprehensive School of Engineering.

Future announcements around the construction plans and design will be made throughout 2011.

Source: York University

METSO ACQUIRES FINE SHREDDING TECHNOLOGY

Metso and Holzmag GmbH have signed a contract according to which Metso will acquire the technology of Swiss Holzmag GmbH. The value of the transaction is not disclosed. This acquisition of technology rights strengthens Metso's position as a leading technology and service provider for the mechanical treatment of solid waste.

Metso is currently market leader in equipment for pre-shredding of all kinds of solid waste with its M&J shredders. The acquisition enables Metso to provide also fine shredding equipment for a wide range

of solid waste types such as municipal and industrial solid waste, biomass, plastics, textiles, glass, aluminum and nonferrous metals, wood. Fine shredding is the next step after preshredding and sorting of waste into homogenous waste streams, and is a key technology for preparing the waste going into recycling and fuel for energy of various kinds.

The acquisition also enables Metso to expand into new customer areas, such as recycling of industrial refuse/waste and preparation of refuse derived fuel for combustion or gasification.

Holzmag was founded in 1976 and is located in Dornach, Switzerland.

Source: Metso Corporation

GENIVAR ACQUIRES DAKINS ENGINEERING GROUP

GENIVAR Inc. is pleased to announce the acquisition of Ontario-based Dakins Engineering Group Ltd., an instrumentation control and automation systems consulting engineering firm specialized in water and wastewater management. This acquisition adds 15 people to GENIVAR's workforce.

Founded in 2001, Dakins is a systems integrator of control equipment and instrumentation to the water and wastewater industry. The company also offers complete automation and integration services using both new and existing Supervisory Control And Data Acquisition ("SCADA") systems.

Source: GENIVAR Inc.

SNC-LAVALIN ACQUIRES MDH ENGINEERED SOLUTIONS

SNC-Lavalin is pleased to announce that it has reinforced its environmental expertise with the acquisition of MDH Engineered Solutions, an engineering consulting & research firm based in Saskatoon, Saskatchewan.

In business since 1980, MDH Engineered Solutions provides geo-environmental, geotechnical, hydrogeological and environmental engineering consulting services to the mining, oil & gas, transportation, utility and government sectors. The firm has

approximately 175 permanent employees working in offices in Saskatoon, Regina, Prince Albert and Esterhazy, Saskatchewan, and in Edmonton and Fort McMurray, Alberta.

"MDH Engineered Solutions expands our offering into the Saskatchewan mining and oil & gas sectors and adds key resources that will help us achieve our strategic objectives" said Jim Burke, executive vice-president, SNC-Lavalin Group Inc. "The synergies between our two companies will support our goal to supply a wide scope of environmental services to both external and internal clients. We are very impressed with the high calibre of expertise at MDH and are pleased to welcome them to the team."

"We are excited about the greater possibilities that this transaction will open up, especially for our existing clients in the mining, oil & gas, and infrastructure markets, whom we have been serving for over 30 years," said Dr. Moir Haug, founder and president, MDH Engineered Solutions. "Joining SNC-Lavalin will solidify our existing operations to make our whole team an even stronger force as we intensify our efforts to expand geographically into BC, northern Canada, and internationally."

Source: SNC-Lavalin Group Inc.

SENECA POWER GENERATION CSA LISTED

Seneca Power Generation would like to announce that its generators are now CSA factory-certified according to CSA22.2 guidelines. Seneca generators are assembled in Ottawa, Ontario, using premium brand-name components. "Our generators are made by Canadians for Canadians. It's a natural step for us to obtain certification from a well respected Canadian institution like the CSA," says Andrew Chae the director of Assembly Division. "We hope that meeting this stringent standard helps build confidence in our product amongst those who have yet to witness our quality first hand."

Source: Seneca Power Generation

SCANIA STARTING ITS OWN OPERATIONS IN JAPAN

Scania has established a sales and service company in Japan. This implies changes in Scania's alliance with Japanese truck and bus manufacturer Hino.

In this new relationship, Scania – backed up by Hino – will remain as distributor of

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Hino's medium-duty trucks in South Korea, with responsibility for sales and service. Since 2007, Scania Korea Ltd. has delivered about 1,000 of Hino's trucks.

In Japan, Hino – backed up by Scania – will retain responsibility for providing parts and service for the approximately 400 Scania tractor units that the company delivered in this market between 2003 and 2010.

In establishing its own sales and service company in Japan, Scania will initially concentrate on increasing sales of vehicles in niche segments, including the very heaviest truck segment.

Source: Scania

AECON AWARDED \$64 MILLION IN HIGHWAY CONTRACTS

Aecon Group Inc. announced recently that it has been awarded three contracts valued at \$64 million for highway construction work in Ontario.

Under a \$29 million contract with the Ontario Ministry of Transportation, Aecon will upgrade the northbound lanes of Hwy 400 along a 16.2 km stretch, from Hwy 11 to Hwy 93 north of Barrie. Work on the project includes earth grading, installing the granular base and paving the roadway, as well as electrical work and the installation of storm drains and culverts. In addition, four existing highway structures will be rehabilitated. Construction is scheduled for completion in November 2013.

This award follows two other highway projects totalling \$35 million awarded to Aecon for the upgrade of Highway 407 ETR near Toronto. Under these contracts, Aecon will widen the Hwy 407 median along a 10 km stretch from Hwy 401 to Trafalgar Road and add sewers, install overhead signs and raise the concrete base grade of the high mast lighting on an 18 km stretch of Hwy 407 from Hwy 400 to Hwy 404. Work on these projects has begun and is scheduled for completion by early fall of this year.

Source: Aecon Group Inc.

PURE TECHNOLOGIES ANNOUNCES NEW WORK IN THE UNITED ARAB EMIRATES

Pure Technologies Ltd., announced recently that it has been awarded new work valued at a total of approximately \$800,000 to clean, inspect, assess, rehabilitate and carry out associated work in the existing wastewater network for the Sewage

Authority of the Government of Ras al Khaimah, United Arab Emirates.

This new work builds on a pilot project previously awarded to Pure and completed recently. The success of the pilot project and Pure's combined-services approach to pipeline management resulted in the award of the larger contracts which include cleaning, CCTV survey and condition assessment of three sewer network areas with a combined length of 138 km.

The Ras Al Khaimah Sewer Authority has over 138km of sewer pipelines servicing a population of about 250,000. As part

of the Government's continuous improvements, the construction of the remaining 65% of the sewer network will be completed in the coming years. This new work demonstrates the growth potential in the UAE region and Pure's ability to capitalize on global infrastructure spending, particularly in the water and wastewater sectors. In addition to the contracts with the Ras Al Khaimah Sewage Authority, in May 2011 Pure announced its first commercial contract for SmartBall® leak detection in Qatar.

Source: Pure Technologies Ltd.

Gutter Helmet Systems Launches "Helmet Heat"

Gutter Helmet Systems announces the launch of "Helmet Heat", a new product used in conjunction with the Gutter Helmet protection system to prevent dangerous icicles, ice dams, and snow from accumulating in gutters. By warming the eaves enough to melt snow and ice, Helmet Heat can help eliminate ice damage, slippery steps, hazardous walkways and many other serious safety hazards caused by snow and ice. Helmet Heat also removes the necessity of climbing onto the roof to clear icicles from the eaves, a common cause of wintertime falls and injuries.

The technology behind Helmet Heat, manufactured by Heat Trace Products LLC, is a thin, self-regulating cable that lies inside the gutter. Once it is installed, Helmet Heat regulates itself and does not need to be turned on or off. When the temperature drops, the Helmet Heat cable heats up, melting ice or snow and preventing build-up in the gutter. When the temperature rises, the cable cools down again, saving the consumer money and energy. Gutter Helmet's patented brackets are specifically designed to carry and conceal the heat cable, leaving the exterior of the home unblemished.

The product is perfectly timed to coincide with the arrival of colder weather. Last winter Maryland, Virginia, Pennsylvania, Delaware, and New Jersey experienced a series of devastating snowstorms, dubbed "Snowmageddon", that dumped over two feet of snow, led to a state of emergency, and left many homeowners with extensive damage to homes and property. Gutters filled up with ice and tore away from houses, icicles dripped from eaves and froze up doorsteps and sidewalks, ice dams caused roofs to leak, and, occasionally, entire roofs collapsed. An ice dam is a buildup of ice under the roof edge, causing melted water to creep up under the shingles and leads to interior leaks and rotting roof rafters. With Helmet Heat, many of these winter problems can be avoided, saving homeowners thousands of dollars in repairs.

The Farmer's Almanac is predicting another cold and snowy winter for the Mid-Atlantic region, and homeowners are getting ready early. "After last year, people living in the Mid-Atlantic are worried about the potential costs associated with another snowy winter," said Gutter Helmet Systems owner Del Thebaud, "and many of our customers are signing up now to get Helmet Heat installed before the snow and ice arrive."

Source: Gutter Helmet Systems



SCS Verifies Canada's First VCS Forest Carbon Offset Project

Scientific Certification Systems (SCS) has verified the Nature Conservancy of Canada's Darkwoods carbon offset project, the first Canadian carbon offset project verified to the widely recognized Verified Carbon Standard (VCS), and the largest private land purchase for conservation in Canadian history.

The Nature Conservancy of Canada (NCC) will sell a portion of the carbon credits generated by this project to the Pacific Carbon Trust to offset the British Columbia government's emissions. This will help the British Columbia government achieve the goals set forth in its Carbon Neutral Government Regulation. Vancouver-based Ecosystem Restoration Associates (ERA) will purchase the remaining credits. SCS verified the amount of carbon the project will remove from the atmosphere, allowing it to generate valuable carbon credits.

"The Darkwoods Carbon pilot project represents one of the highest quality forest carbon projects to date in North America and is an important achievement for the Nature Conservancy of Canada," said Dr. Robert J. Hrubec, SCS senior vice president. "The unique methodology developed by the project team will benefit the entire carbon industry."

The Darkwoods project, developed by 3GreenTree Ecosystem Services Ltd. and Ecosystem Restoration Associates, involves the purchase and protection of over 55,000 hectares (136,000 acres) of rugged forestlands in the West Kootenay region of British Columbia. These forestlands store more than two million metric tons of carbon. Every year the trees and plants of Darkwoods absorb 30,000 metric tons of carbon. The land was purchased from Pluto Darkwoods, a company owned by the Duke of Germany, who had owned the property since 1967. Darkwoods contains remote valleys, mountains and lakes that provide vital habitat for dozens of at-risk species including bull trout, red-tailed chipmunk and western screech owl. It also provides a sanctuary for wide-ranging grizzly bears, cougars, wolves, elk and a herd of rare mountain caribou.

"Darkwoods has some of the most diverse forests in Canada – forests we need to ensure are well-managed over the

long term," said Environment Minister Terry Lake. "This forest carbon agreement secures enduring conservation of these important lands and a step forward in building British Columbia's green economy."

"We are always looking for unique strategies to fund the protection of Canada's natural heritage," said John Lounds, president and CEO of the Nature Conservancy of Canada. "By harnessing the power of the carbon market, the Darkwoods Carbon pilot project represents an innovative new avenue for helping to fund great conservation projects."

SCS has been providing global leadership in third-party sustainability and environmental certification, auditing, testing and standards development for more than 25 years. SCS programs span a wide range of industries including green building, product manufacturing, food and



agriculture, forestry, retailing and carbon offset verification.

NCC is a private, non-profit, Canadian organization dedicated to protecting Canada's most ecologically significant lands. Since 1962, NCC, the largest land conservation organization in the country, has conserved more than 800,000 ha of ecologically significant land. Guided by a mission to conserve areas of biological diversity for their intrinsic value and for the benefit of future generations, NCC is creating a lasting natural legacy for Canada.

Source: Scientific Certification Systems

Snow Pushers for Compact Equipment

Compatible with small skidsteers, compact tractors and small wheel loaders, **Arctic Snow and Ice Control Products'** Compact-Duty plows are perfect for clearing small parking lots, sidewalks and larger driveways.



They feature a sectional moldboard design which allows each section to move up and down independently, enabling the plow to effectively contour to uneven surfaces and remove snow in dips and depressions on the first pass.

Each moldboard section is individually mounted to the plow's mainframe with

engineered polyurethane blocks. In the unlikely event of damage, one single section can easily be unbolted, removed and replaced in less than 15 minutes, providing both time and cost savings.

Designed for equipment weighing up to 2,250 kg, they are available in three sizes to accommodate a variety of equipment.

Source: Arctic Snow and Ice Control Products

The FFC Snow Push by **Paladin Construction Group** attaches to skidsteers, backhoes, compact wheel loaders and traditional wheel loaders to efficiently move large volumes of snow without leaving windrows. Available in widths ranging from 182 cm to 488 cm, it can move up to 16 m³ of snow at one time. An optional Pull-Back Kit cleanly draws back snow away from buildings, fences and confined areas, creating a more effective snow removal process. In addition to snow applications, the FFC Snow Push is ideal

World Speed Record on Ice Broken Twice in 2011

Nokian Tyres test driver Janne Laitinen set a new world speed record of 331.610 km/h driving on the ice of the Gulf of Bothnia close to Oulu.



The new record was set on March 6th on a 14 km track in a Nokian Tyres test car. The speed of 331 km/h means the car travelled more than 92 m/s. Nokian Tyres equipped the record-breaking car, an Audi

RS6 with Nokian Hakkapeliitta 7 studded tires (255/35R20 97 T XL).

The tires are under immense pressure at these high speeds, and their diameter can increase by 15–20 mm. As the air resistance increases, more traction is needed in order to pick up speed.

The previous record was set just a few weeks earlier in February by four time world rally champion Juha Kankkunen who set the record. He raced over the ice of the Gulf of Bothnia in a Bentley



Janne Laitinen sped over the ice of the Gulf of Bothnia at a breathtaking 331.610 km/h.

for waste water, manure, feed, lot and food cleanup.



Source: Paladin Construction Group

Pro-Tech introduces two new Sno Blade attachments for winter maintenance. Featuring independently adjustable wings, the products add extra versatility to the company's existing line of Sno Pusher™ containment plows.

Sno Blades come with a universal coupler for attaching to skidsteers, and they have a rear mount option for compact tractors. The AB07S includes a 228 cm-wide moldboard, and the AB09S comes with a 275 cm-wide moldboard. Both models come standard with multiposition-

al wings, which can be manually adjusted to 9 different positions according to the operator's needs. This design allows Sno Blades to act as pushers, straight blades or variations in-between. Furthermore, the moldboard can be hydraulically angled 30° left or right.



To avoid damage to the equipment and property, the Sno Blade features a bolt-on, reversible steel edge with four trip springs. It also incorporates a floating design for adjusting to ground contours, creating optimal down pressure and providing superior scraping performance.

Source: Pro-Tech Manufacturing and Distribution

Continental Super Sport, shod with Pirelli SottoZero II tires, at 330.7 km/h.

The Guinness World Records organisation outlines detailed rules for ice driving world records. The time for the one-kilometer distance is taken for driving in both directions of the track, and the world record time is the average of these two results. The vehicle takes a flying start. There is a total of one hour to complete the record attempt. The ice has to be natural and it may not be roughed up or treated with any chemicals. The tires must be commercially available and approved for road traffic in the country in which the record attempt takes place.

Testing at high speeds in demanding conditions forms an important part of our winter tire development. "Testing our boundaries can teach us new things, which can then be reflected in all of our products," explains Matti Morri, Nokian Tyres' Technical Customer Service manager.

Nokian Tyres developed the world's first winter tire in 1934. The company tests and develops tires at its own test center in Ivalo, Finland, 300 km north of the Arctic Circle.

Source: Nokian Tyres Plc



The Ideal Hunting and Expedition Vehicle

The Mercedes-Benz Zetros is in its element wherever all-terrain capabilities and a high payload are required. This all-wheel drive truck is designed for difficult off-road conditions.

First conceived as a military vehicle (it fits inside an Hercules C-130 transport plane), it is also used in civil applications

Ulan-Bator, the capital of Mongolia.

Mongolians love their freedom, and greatly enjoy excursions into the varied natural surroundings of their high-altitude homeland. Whereas only the horse was once a suitable means of transport for this purpose, two businessmen friends in Ulan-Bator decided in favor of the Zetros

their unique jumbo off-roaders for multi-day excursions into the Altai mountains, for example, where they hunt for wolves with an eagle.

The 3-axle Zetros have a payload of 16 t. They are powered by a 7.2 l OM 926 LA engine developing 326 hp. A choice of two transmissions is available: the standard



unit is the hydraulically/pneumatically shifted G 131-9 nine-speed transmission (eight forward gears + crawler), or a direct-

and recently, two units with special bodies and interior fittings have been delivered to

as a more modern and luxurious way of negotiating the terrain. The two friends use

ratio top gear, with a six-speed Allison 3000 SP/PR fully-automatic transmission is

Sno Blower Skidsteer Attachments

Pro-Tech introduces two new Sno Blower skidsteer attachments as a complement to its line of Sno Pusher™ containment plows.

The Sno Blowers are ideal for quickly moving large amounts of snow, especially when stacking or piling the snow is not an option. Popular applications include removing drifts



and clearing large driveways or long stretches of pavement.

The Sno Blower line includes two models: The 189 cm-wide BL72S and the 204 cm-wide BL78S. Thanks to universal coupler mounts, they easily attach to skidsteers from all major manufacturers.

The Sno Blowers include adjustable velocity control plates for accommodating varying snow moisture levels and steel cutting edges for making clean passes.

In addition to the Sno Blower, Pro-Tech also offers its Sno Blade and Sno Broom skidsteer attachments, as well as a full line of Sno Pusher containment plows.

Source: Pro-Tech Manufacturing and Distribution

Economical Salt Box

SnowEx introduces the SB-1000 salt box, an economical version of its popular storage systems. The SB-1000 features a highly durable design but is inexpensive, making it ideal for entry-level needs.

Constructed from water-resistant, noncorrosive polyethylene, the SB-1000 has a storage capacity of 0.28 m³ and is designed to protect a wide variety of materials from weather elements. Although the most common use is for storing salt, sand and other spreading materials for ice management, the salt box can also be used for holding fertilizer, tools and anything else that requires a weather-protected enclosure.



In addition to the SB-1000, SnowEx offers a full line of salt boxes with varying capacities and more convenience features, such as lockable lids and fork pockets.

SnowEx is a product division of TrynEx International. Other TrynEx brands include TurfEx turf care equipment and SweepEx broom attachments.

Source: TrynEx International

available as an option.

The VG 1700 transfer case as a 1.690 off-road ratio. Torque distribution between the front and rear axles is 1:3.21 in the splitter box, and 1:1 if the differential lock is engaged. The Zetros is equipped with three mechanical differential locks as standard, and these can be easily selected



by the driver using a rotary control. The trucks have been converted

into hunting and expedition vehicles according to customer specifications by the body specialist Hartmann Spezialkarosserien GmbH and the interior equipment specialist Klaus Huenerkopf Neukirshen.

The body and interior conversion work had to take into account the very special climatic conditions where

the vehicles are to be used. Extreme temperature fluctuations require particularly good insulation, and all the interior features were planned and installed to ensure that they are able to withstand the punishing conditions of off-road operations. Marble floor in the bathrooms and underfloor heating insure that the living conditions are bearable. One of the two examples also has a rear vehicle bay able to accommodate an ATV.

Source: Daimler AG

Snow Blower Attachments with Hydraulic Controls

CEAttachments, Inc. announces the addition of all new EDGE Snow Blower attachments for the skidsteer loaders.

The new EDGE Standard and High-Flow Snow Blowers now feature a hydraulic motor and cylinder for controlling the chute rotation and deflector angle, providing



superior snow removal operation and performance. A hydraulic motor delivers increased torque in the 280° chute rotating function, while a hydraulic cylinder provides durable and proficient control when angling the deflector.

Other new features include the auger paddle design which has been modified for more efficient transfer of snow to the fan, and a bolt-on fan cover has been added for easy serviceability.

EDGE Snow Blowers are able to throw snow up to 13,7 m and are available in standard and high-flow models ranging in size from 122 cm to fit in narrow paths, up to 244 cm for clearing larger areas more efficiently.

Source: CEAttachments

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MWV's Evotherm® Becomes First Warm Mix Asphalt Technology Approved by Colorado DOT

MeadWestvaco Corporation (MWV) recently announced that the company's Evotherm® warm mix asphalt technology has been approved by the Colorado Department of Transportation (CDOT) for use in statewide paving projects.

MWV's Evotherm warm mix asphalt technology can be used in any traditional hot-mix asphalt application, but with significantly lower temperatures required for paving application. This feature proved particularly useful in Colorado's challenging high altitude paving projects.

In August 2007, CDOT and MWV began paving a portion of I-70 as an Evotherm test section near the Eisenhower and Johnson Tunnels. This paving project incurred some of the harshest environments to-date where Evotherm had been applied. With 150 to 200 freeze thaw cycles annually, challenges from annual daily traffic equaling 30,000 vehicles a year on average and 10% truck traffic, this test area provided

significant challenges, and Evotherm performed extremely well.

"CDOT is pleased to have assessed these warm mix technologies and to develop a process for additional technologies to become approved for use," said CDOT's Bill Schiebel, Region 1 Materials. "We tried to be comprehensive to account for companies that have done a lot of due diligence while providing a way for new technologies to be introduced. Our demonstration section with MWV allowed us to answer some lingering concerns regarding moisture susceptibility for warm mix asphalt. This site has gone a long way in addressing these concerns."

Even at an altitude of nearly 3,350 m, the roadway paved with Evotherm is perform-



ing great. The CDOT and the National Center for Asphalt Testing (NCAT) recently published its 3-year project report, and Evotherm matched the performance of traditional hot mix asphalt.

Evotherm's Behind the Screed blog shares valuable insights regarding this warm mix asphalt technology. Contractors interested in supplying Evotherm asphalt mixtures to CDOT projects in 2011 must complete the contractor portion of CP-59 for Non-Standard Asphalt Mixes to become an approved producer for Evotherm WMA.

Source: MeadWestvaco Corporation

Larue Delivers to Nova Scotia

Last July, Jason Lanteigne, sales representative for J.A. Larue Inc.'s Moncton branch, Jim Taylor and Mark Odom from LeeBoy/Rosco gave training to the road maintenance crew of the Nova Scotia Transportation and Infrastructure Renewal department.

The team members were trained on the brand new Internation-



From l. to r.: Ritchie Hartly, Josh Cress, Danny Jennings, Kirk Adams, Malcolm Mackay, Brad Dearman, Sheldon Garland, Jeff Hutt, Stanley Mackinnon, Robert Kennedy, Donnie Hat, Mark Odom, Jim Taylor, Paul Spicer, and Danny Jennings

al 7300 trucks equipped with Rosco MAXimizer II asphalt distributors and the new Rosco SPRHH chip spreader. They were all impressed with the performance and ease of use of the machines recently acquired by the department.

J.A. Larue Inc. is the exclusive distributor of LeeBoy/Rosco products for Quebec, Ontario and the Maritime provinces.

Source: J.A. Larue Inc.

An advertisement for Cimline Pavement Maintenance Group. At the top, there is a large red 'C' logo with the word 'CIMLINE' in a stylized font. Below the logo, it says 'PAVEMENT MAINTENANCE GROUP'. The main image shows a red cracksealing machine being used on a road surface. Below the image, it says 'CRACKSEALING'. At the bottom, there is contact information: 'SALES & SERVICE FROM COAST TO COAST', followed by phone numbers for Western (888-774-5079), Ontario (1-800-668-5355), Quebec (450-253-0805), and Atlantic (800-291-4366). The website 'www.cimline.com' is listed at the bottom.

HDE at APWA in Denver in September

Public Works are falling behind on maintenance of their asphalt pavement investment.

Two main problems are premature failure of joints, longitudinal and trench, and accelerated pavement deterioration around potholes due to failure to prevent moisture penetration.

Heat Design Equipment Inc. (HDE) has solutions to both these problems using patented, no flame infrared heaters, and will be showing these solutions at the Denver APWA show, September 18-21, 2011.

The first is the longitudinal joint heater that allows contractors to re-heat the uncompacted edge while paving, making a high density, impermeable joint. Independent studies by the University of Tennessee and the University of Arkansas for their respective DOTs proved that joint heating makes a dense, waterproof joint, at the top of the list of joint making technologies evaluated.

For hot-in-place patch repair HDE will be

introducing our infrared utility attachment heater, the HDE 400UT. This unit consists of four 91 cm x 45 cm infrared heaters in a frame attachable to a standard utility tractor.

It allows municipalities to tackle pothole repair in a permanent manner, heating the edges to make a structural repair in minutes.

The heater can be combined with a towable asphalt hot box/recycler for repairs where a lot of asphalt is needed, or a towable or on board recycler that will make hot mix out of waste chunks in a matter of minutes. There is no doubt municipalities have to introduce better, cost efficient methods of tackling their pothole program, and this one time solution ensures longer lasting repairs that will not fail.

The MR75 asphalt mini recycler will also be on display at the show. This unit has been popular for many municipalities,



allowing them to reheat waste chunks of asphalt in the winter time in 5 minutes to fill potholes. Testimonials report costs of production less than 20% of costs of using premium cold mixes, with one time fixes lasting 3-4 years.

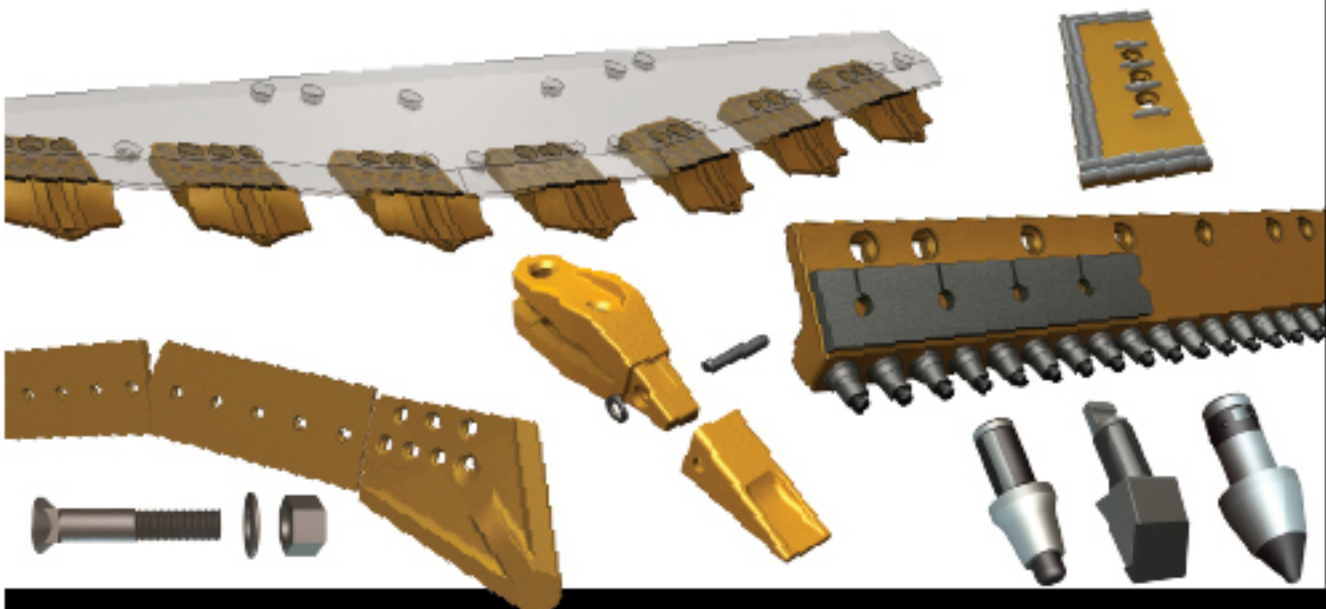
Finally, HDE will show the R2D2, a 2 foot square (1,850 cm²) infrared heater for reheating core holes in pavements to ensure a better bond to the edge of the core, preventing a failure area from forming due to water penetration through the core.

Drop by booth 202 to visit Heat Design Equipment Inc. and see how you can ensure maximum sustainability in your pavement structures.

Source: Heat Design Equipment Inc.

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Manitowoc 888 RINGER well-suited for dam replacement

A Manitowoc 888 crawler crane mounted on a RINGER® attachment helped replace a navigational lock gate at the John Day Dam on the Columbia River between Oregon and Washington. The downstream navigational lock gate is 34.4 m tall, making it the tallest lock in the United States.

The 900 kg gate was removed and replaced in four sections, with the heaviest load for the Model 888 weighing 260,000 kg. The contractor faced various challenges when performing these heavy lifts because the crane was mounted on a barge.

Advanced American Construction, Inc., the contractor for the project, chose a Manitowoc 888 RINGER to reduce the load radius that would otherwise be required when lifting on land. Essex Crane Rental Corp. rented the Manitowoc 888 to Advanced American.

Advanced American chose the Manitowoc 888 not only to meet its capacity requirements, but also for its reach. The

project required removing and replacing two components weighing 59 t each from the roof of the lock towers more than 40 m above the barge.

The inherent instability of working on a barge also presented several challenges. The contractor used a self-contained ballast system to transfer water between hull tanks to steady the barge as the crane hoisted each load. Maintaining balance was critical because, for the crane to complete the picks, the bow of the barge needed to be secured within six inches of the dam.

Kainan Bodenlos, project superintendent for Advanced American Construction, Inc., said that support from Essex and Manitowoc made the project a success.

The Manitowoc 888 RINGER has a capac-



ity of 600 t and a maximum jib capacity of 250 t. It has a 132.5 m maximum radius and a 13.7 m diameter ring. For this project, the crane was rigged with 76.2 m of boom and 635 t of counterweight.

The work on the John Day Dam is part of a larger maintenance and repair initiative including the John Day, Dalles, and Lower Monumental dams along the Columbia-Snake rivers. The project, which includes replacement of the gates, drive machinery, and electrical systems, began in October 2010 and was completed in March 2011.

Source: The Manitowoc Company, Inc.

PALFINGER Takes Over Russian Crane Producer INMAN

The PALFINGER Group is further expanding its business in Russia and recently signed a contract for the complete takeover of Russian crane producer INMAN (Ischimbajskie Neftianiye Manipulirovaniye, JSC). The company with its headquarters in Ishimbay in the Republic of Bashkortostan (Volga region) has since 1992 been a producer and distributor of hydraulic lifting and loading systems, in particular knuckle boom cranes. With a staff of 415, INMAN is expected to generate revenue of approximately \$27 million in 2011.

INMAN operates two production facilities and is a major supplier to the Russian market. The company's services range from the complete certification for the Russian market up to technical maintenance and spare parts. Primarily INMAN is a supplier to companies in the oil and gas industry as well as state-owned enterprises.

"We were looking for a well-established and reliable partner based in the CIS area

in order to establish local value creation. INMAN is a manufacturer of premium, reliable products and has a very strong and long-standing brand name. Its product portfolio is the perfect addition to the PALFINGER products. The



company's good market position allows us in particular to open up the Ural region," said Herbert Ortner, CEO of PALFINGER AG, on the strategic rationale behind the acquisition. INMAN will continue to exist as a separate brand within the PALFINGER Group. The acquisition is subject to the



approval of the Supervisory Boards of both parties and the Federal Antimonopoly Service of the Russian Federation (FAS).

Since 2009 PALFINGER has expanded its Russian sales organization to a total of 50 dealers on both sides of the Ural. The acquisition of INMAN now provides the Group with local value creation and additional distribution channels – a major strategic step for the further development of the vast Russian market and the long-term growth strategy pursued in the CIS area.

Source: PALFINGER AG

Pedestal Crane Barge to Protect Hydroelectric Power Plants from Ice Damage

When the wicked winter weather begins to blow off Lake Erie, a shipbuilder and a crane company in Cleveland, Ohio, and the New York Power Authority (NYPA) will be glad they cooperatively commissioned and built a barge-mounted pedestal crane. The crane is the latest weapon for the Lake Erie-Niagara River Ice Boom Operations in Buffalo, New York, designed to help reduce potential damage to hydroelectric power plants caused by Lake Erie's inevitable ice.

The NYPA asked Great Lakes Shipyard, a member of The Great Lakes Group in Cleveland, to fabricate and deliver a new 24 m by 10 m pedestal crane barge for the ice boom operation. The shipyard turned to ALL Erection & Crane Rental, a company with a fleet also headquartered in Cleveland.

First, the shipyard purchased a new Terex HP80 72.5 t capacity pedestal-mounted crane from ALL, who is the exclusive dealer of Terex Cranes in Ohio, Michigan,

Pennsylvania and West Virginia.

The 27.2 t crane body was lifted by a 226 t assist crane, placed and mounted to the barge, and assembled by ALL's technicians on a specially built pedestal, custom fabricated by Terex. Then it was delivered across Lake Erie to Buffalo by the Great Lakes Towing Company and put into service on September 10, 2010.

The crane barge has become a key part of the annual installation and maintenance of the Lake Erie-Niagara River Ice Boom, owned by NYPA and Ontario Power Generation and in use since 1964.

The 2.7 km-long ice boom is a series of floating steel pontoon strings, each 150 m long and anchored to the bottom of the lake by steel cables. The boom spans the



mouth of the Niagara River at Lake Erie from Buffalo Harbor to the Canadian shore and prevents Lake Erie ice from running into the river, thus reducing the likelihood of ice blockages that can cause flooding and reduce water flow to NYPA hydroelectric power plant intakes.

The boom is installed in Lake Erie around December 16 and removed in spring – a process now facilitated by the crane barge from Cleveland.

Source: ALL Erection & Crane Rental Corp.

They Want to Hoist for You

12hoist4u on its way to market leadership with offshore heavy lift personnel services.

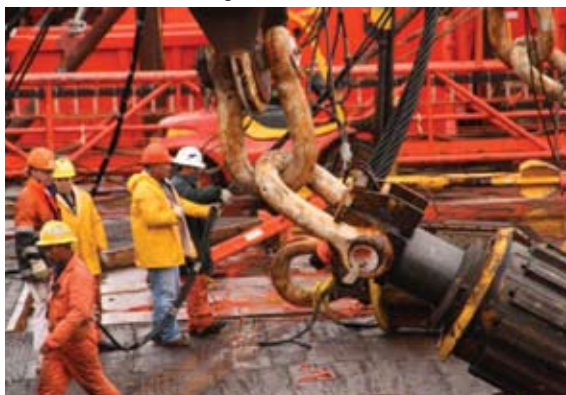
Within 2 years after starting up recruitment services fully dedicated to the market

professionals.

With more than 15 turbine installation vessels under construction, with cranes having an ever increasing capacity and loads of 1,500 t or more becoming a kind

operator, safety officer, engineer, supervisor, coach or inspector of hoisting & lifting equipment, 12hoist4u can supply competent personnel on contract base.

12hoist4u, to be pronounced as "want-to-hoist-for-you", is a Hadimpro B.V. activity. Hadimpro B.V. being independent transport consultants specialized in the



market of hoisting & lifting, exceptional and internal transport. 12hoist4u specializes in staffing the market niche for hoisting & lifting, heavy lift and specialized transport with competent and experienced personnel.

niche of lifting, hoisting, heavy lift and specialized transport, 12hoist4u is rapidly on its way to become the supplier of choice and market leadership in the offshore heavy lift market.

12hoist4u has access to well over 600 specialists, partly from own staff, partly being carefully selected self-employed

of "routine operations", it is obvious that the market needs a dedicated recruitment company.

12hoist4u is having its focus on all the different competences within the market niche for hoisting and lifting, heavy lift and specialized transports. For operational positions, such as rigger, banksman, crane

It is 12hoist4u's ambition to bring professionals and clients together all over the world within the niche market, to which we are fully dedicated: hoisting, lifting, heavy lift and specialized transport.

Source: 12hoist4u

North America's First Sprinter-Mounted Aerial Lift

On April 7th, 2011, Montreal-based Les Équipements Twin (1980) Ltd., in collaboration with Mercedes-Benz Canada and Time Manufacturing, presented North America's first articulated/insulated aerial lift installed on a Mercedes-Benz Sprinter cargo van as part of Montreal's ExpoCam truck show.

This aerial lift, is the first of its kind in North America approved by Mercedes engineers. Its cargo volume is the largest of its class, and its interior working height is higher than any conventional vans and service bodies available until now.

Sprinter vans equipped with insulated aerial lifts have been available on the European market for a few years and Twin, in collaboration with Mercedes-Benz and Time, invested over a year's work in modifying the European version to meet the demands and standards of the Quebec, and Canadian markets, as well as those established by Mercedes-Benz engineers.

Twin would like to thank the Danish team of Time Europe, which offered them

an outstanding contribution on this project. Time Europe builds and sells over 300 units of this type every year on the European market.

This first model is equipped with a Versalift ET-36-IFH articulated/insulated aerial lift, which offers a working height of 13 m (42') with a working reach of 7.3 m (23'10"). With controls both at the basket and at the base, an insulated flyboom, as well as continuous rotation, this unit offers the advantage of not requiring outriggers. Instead, an axle lock system is installed under the chassis, which maximizes the storage space and ease of movement inside the vehicle cargo area. The interior design of the cargo space was done by Twin's partner VanPro



(Ranger Design) and can be adapted to each customer's needs.

A demo unit can be seen at Twin's headquarters in Montreal, Quebec. The production of the first six units for resale is scheduled to start in September. At the present time, Twin is the only certified Mercedes-Benz outfitter for this kind of installation in North America.

Source: Les Équipements Twin (1980) Ltd., 514-353-1190

PALFINGER PLATFORMS at APEX 2011

Under the umbrella brand of PALFINGER PLATFORMS, PALFINGER is gradually strengthening its position in the access platform market. Customers benefit from a complete range of products with a working height between 11 and 103 m "from a one-stop shop" with an established sales and service network and numerous synergies resulting from PALFINGER's expertise in matters of structural steelwork, electronics and hydraulics.

PALFINGER will present two completely new truck-mounted access platforms at APEX in Maastricht, Holland, to be held on September 14-16, 2011.

Aerial work platforms in the 3.5 t class are subject to particularly demanding requirements when it comes to cost-efficiency and occupational safety. As the platforms are mainly used in the hire business, the most important features, alongside the platform's performance data, are ease of operation and rugged design.

PALFINGER PLATFORMS is now extending its range in the 3.5 t class with the new P 210 BK access platform - a unit with a

basket jib.

Base frame, stabilizer support, turntable and workman basket are all identical to those of the existing related access platforms P 220 B and P 260 B which are already very popular in practical use. The highlight and USP of the P 210 BK compared to similar competitor models is the basket jib that can swivel through 180°. This results in a special platform mode where the jib can be moved without the need of stabilizing the machine.

With the new top-class P 300 KS unit, PALFINGER PLATFORMS is redefining the standards for compactness, working range and operator-friendly controls in the 7.5 t class. Highlights in this case are the popular counter slewing system and the machine's resulting compact dimensions



plus its impressive working height of 32 m. The patented "KS" counter slewing system enables the platform to pivot within the width of the vehicle. The turntable does not extend beyond the vehicle, that is to say it does not extend into the traffic space. As a result it is also possible to carry out difficult work in restricted spaces with ease. The unique design of the counter slewing system results in extremely compact installation of the access platform on the carrier vehicle.

Source: PALFINGER AG

Quad-Lock Insulated Concrete Forms Provide Superior Thermal Performance

Quad-Lock Building Systems, Ltd. is pleased to announce the completion of a 2-year Green Roof research project in partnership with the British Columbia Institute of Technology (BCIT) Centre for Architectural Ecology. The BCIT facility has the mission of providing world-class independent research and education in the field of green roof and living wall technology. The goal of this study was to provide objective data on the performance of various green roof structures. To our knowledge, this is North America's first green roof study to be completed on an Insulated Concrete Form (ICF) structure.

Quad-Lock's test structure (referred to as REM-10) incorporated an R-10 insulated slab foundation, Quad-Lock R-22 walls (15 cm concrete), and R-22 Quad-Deck (23 cm panels with 7.6 cm concrete slab) for the roof structure that is topped with a green roof layer. This was compared side-by-side to a "control roof structure"

featuring wood-framed walls and roof with an asphalt roofing layer (called Reference Roof).

The BCIT collected electronic data and evaluated the following:

- Thermal performance and associated energy cost savings;
- Carbon emissions saved per square meter;
- Stormwater runoff quantity and quality for reuse;
- Plant species growth, soil media performances and maintenance requirements.

Depending on the season, the Quad-Lock/Quad-Deck Green Roof REM-10 structure demonstrated a 50 to 75% reduction in heat loss, compared to the wood-framed

control structure.

Across all seasons, the REM-10 demonstrated an average 99% reduction in heat gain, compared to the wood-framed control roof structure.

Compared to a conventional roof without green roof layer, the REM-10 retained a



Quad-Lock REM-10 under construction, Quad-Lock REM-10 with green roof layer

yearly average of 69% of the rain falling on the roof surface, with 31% potentially available for reuse or disposal in a municipal system.

Comparing the heat flow performance of the two structures, it is noteworthy that there were near-constant temperatures measured on the interior of Quad-Lock's REM-10.

Source: Quad-Lock Building Systems, Ltd.

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Metso Offers First Recyclable Screening Media

Metso is proud to announce that they have developed the first fully recyclable modular screening media – Metso Trellex LS-Eco.

In response to customer requests for sustainable and environmentally-friendly screening media solutions, and in line with its own sustainability program, Metso has replaced the traditional steel reinforcement with an environmentally-friendly composite material in its Metso Trellex LS rubber modular screening media systems. This makes it possible to effectively recycle the screening media. A unique solution.

In addition to providing environmentally-friendly screening media panels, Metso will implement a unique program to provide its customers with a suitable range of recycling services.

The Metso Trellex LS-Eco offers a wide range of health, safety and environmental benefits. Each screening media panel is up to 40% lighter than standard steel reinforced Trellex LS panels. This makes han-

dling easier and the working environment safer. Lighter panels also help to reduce the overall stress on the entire screening installation. Compared to steel-reinforced panels, the composite-reinforced panels of the Metso Trellex LS-Eco are more flexible and will reduce the effects of pegging and blinding during screening operations. The Metso Trellex LS-Eco should offer reduced downtime and increased productivity.

The Trellex 300LS and Trellex 305LS rubber and polyurethane panels can be attached to most screening media systems and handle all types of screening applications – fine and coarse, wet and dry. In the future, when Metso customers need new screening media panels for their existing system, they can choose Metso Trellex LS-Eco and be assured that their panels will be safely and effectively recycled.

Metso is happy to play its part in reducing industrial waste globally by introducing the first recyclable modular screening



media to its existing and future customers.

Metso Trellex LS-Eco, 305x610, is scheduled to be available in selected markets in Q4, 2011. Other dimensions will be available in 2012.

Trellex LS is produced at Metso manufacturing units in accordance with quality certification ISO 9001, workers safety certification ISO 14 001 and Environmental certification OHSAS 18001.

Source: Metso

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Review of International Aggregate Standards Finds "No Rival" for SERA

A new study by BuildGreen Solutions, one of Canada's leading sustainable development services companies, of international aggregate standards has found nothing that came close to rivaling the Draft SERA Standards in terms of rigour or comprehensiveness related to aggregate extraction.

Following a thorough online review by Ottawa's BuildGreen Solutions, SERA (Socially and Environmentally Responsible Aggregate) released the Draft SERA Standards on June 1, 2011, proposing that aggregate operators in Ontario adopt a voluntary, third-party audited, certification system for aggregate extraction.

"In conducting our online audit of existing aggregate standards it became clear that there existed no English language certification system for aggregate extraction that compares with the Draft SERA Standards," says Rodney Wilts, JD, LEED AP, and partner with BuildGreen Solutions.

"We reviewed all international aggregate standards we could find across fifteen criteria and in all but two SERA was equal to or better than the rest."

BuildGreen Solutions found SERA to be the only standard specific to aggregates that combines comprehensive best-practices with a proposed third-party auditing system. The arms-length assessment offered by third-party auditors provides an effective tool for companies to determine where they are doing well and where there is room for improvement. Third-party audited certification systems like the Forest Stewardship Council (FSC), Marine Stewardship Council (MSC) and RainForest Alliance have all successfully improved resource management through voluntary standards that recognize industry leaders.

"BuildGreen Solutions has recognized that third-party auditing is essential to



© : Lafarge médiathèque DR

the success of any resource management system," says Lorne Johnson, executive director, SERA. "FSC discovered the value of third-party certification in 1993 when they developed a certification system for the forest sector. The aggregate sector is in a similar place to where the forestry sector was ten years ago and has a lot of to gain from a similar solution."

SERA has already found support from a wide range of stakeholders including environmental groups, construction companies, municipalities, aggregate operators and governments who recognize that SERA offers a promising approach to more responsible aggregate extraction.

Source: BuildGreen Solutions

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Cansolv Technology to Remove SO₂ from Major Chinese Coal-fired Power Plant

Shell announced recently that its Cansolv Technologies Inc. subsidiary has signed an agreement with Beijing Guodian Longyuan Environmental Engineering Co., Ltd. (GDLY) to license a CANSOLV SO₂ Scrubbing System for a new 1.2 GW coal-fired power plant to be built by China Guodian Corporation at Duyun in Guizhou province, China.

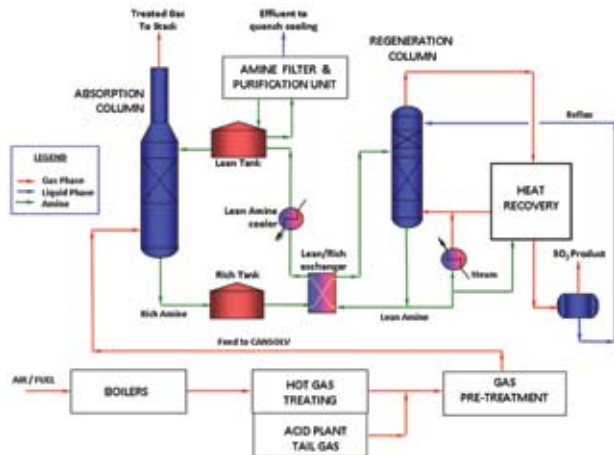
The CANSOLV SO₂ Scrubbing System, a proprietary technology of Cansolv, will be used to remove sulfur dioxide from the power plant's flue gas. Cansolv will also supply GDLY with engineering services and its unique SO₂ absorbent.

The CANSOLV system is a regenerable technology that captures more than 99.9% of SO₂ emissions. It is highly flexible and used in a broad range of industrial applications. The high purity of the captured SO₂ makes it ideal for conversion into sulfuric acid, and in Duyun, this will provide further value through its use in a local fertilizer

plant.

By selecting the regenerable CANSOLV system, GDLY can avoid more than 1,000,000 t/y of landfill produced from conventional non-regenerable systems, which utilize a once-through absorbent that cannot be reused and therefore generates effluent streams. A regenerable desulfurization technology can reuse an absorbent by recycling it through the system over and over again, resulting in less waste and cost savings without the need to restock..

GDLY is a leader in the implementation of flue gas desulfurization (FGD) technolo-



gies in the Chinese power sector and is a subsidiary of China Guodian Corporation, one of the top producers of electrical power in China.

Source: Royal Dutch Shell plc

Looking for a supplier's website? Start your search on www.infrastructures.com

HYDREX MV 36, Hydraulic Fluid from Petro-Canada, Passes Komatsu Pump Test

Petro-Canada Lubricants Inc. is pleased to announce that HYDREX MV 36 has met stringent Komatsu and JCMA HK-1 global specifications.

"This endorsement from Komatsu is important to us," explains Joanna Ha, category manager for Hydraulics, Petro-Canada Lubricants Inc. "In general, OEM approvals are one of the top three performance indicators for operators. Customers can now be confident that not only does HYDREX MV 36 offer the long life and wear protection it's known for, but it is also suitable for a wide range of equipment and fits within warranty requirements."

As a global industry leader in the manufacturing of construction and mining equipment, Komatsu has established testing standards that exceed other standard pump tests for pressures. "Achieving Komatsu specifications for HYDREX MV 36 opens the door to new business opportunities in the mining and construction sectors," concludes Joanna Ha.

The HYDREX hydraulic fluids line deliv-

ers outstanding lubrication and extended drain capabilities to help reduce downtime and maintenance costs for increased productivity. Compared to other leading global hydraulics brands of its type, HYDREX is known to last up to 3X longer and provide up to 2X better wear protection. Available in AW, MV and XV grades, as well as other specialty formulations, the HYDREX line provides long term protec-



tion to meet the demands of a variety of working environments and equipment challenges.

Source: Petro-Canada Lubricants Inc.

Looking for more stories? Have a look at our website www.infrastructures.com

WM Green Fleet Will Deliver Cleaner Air for Lower Mainland

Life in downtown Vancouver and throughout Lower Mainland communities, in British Columbia, is now cleaner and quieter, thanks to a new sustainability initiative from Waste Management and Terasen Gas. Recently, Waste Management deployed 20 new "clean air" trucks to collect commercial recycling, food waste and garbage throughout the Lower Mainland and Metro Vancouver area.

The new trucks are part of a larger, long-term initiative to convert Waste Management's entire Lower Mainland and Metro Vancouver fleet – 100 recycling and waste collection trucks in all – to compressed natural gas (CNG).

The trucks are powered by clean-burning compressed natural gas (CNG) for a smaller carbon footprint. They deliver distinct environmental benefits for the Lower Mainland, including nearly zero air particulate and 23% fewer greenhouse gas emissions. The engines also run quieter than traditional diesel engines, resulting in

quieter trucks and less noise in Vancouver's urban core.

The contribution from Terasen Gas helped offset the incremental cost of the clean air trucks. Terasen, which recently announced it will be renamed and operate under the brand name FortisBC, just completed construction of a state-of-the-art CNG fueling station at the Waste Management site at Coquitlam, where the trucks will fuel up.

"With significantly lower emissions and lower fuel costs, natural gas vehicles have a role in helping British Columbia meet its environmental goals," said Doug Stout, vice president, Energy Solutions and External Relations at Terasen Gas and FortisBC. "Our collaboration with Waste



Management is an excellent opportunity to showcase the technology in the region where it is developed and encourage greater adoption of natural gas for transportation."

Waste Management operates the largest fleet of clean air CNG recycling and waste trucks in North America. Deploying the new CNG fleet in Vancouver will help WM achieve its sustainability goal of reducing fleet emissions by 15% and increasing fuel efficiency by 15% by 2020.

Source: Waste Management



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Dtec's Contractor Turbo Series of Diamond Blades Offers Fast, Clean Cuts

Dtec, a product division of Affinity Tool Works, presents the new line of Turbo Diamond Blades from its Contractor Series. The Contractor Turbo blades are an ideal complement to the entire Dtec line, offering users an economically-priced option without sacrificing the performance of a diamond blade. Able to cut a variety of materials including concrete, tile, stone and brick pavers, the Contractor Turbo blades are ideal for tradesmen in the concrete, masonry, and general and landscape construction industries, as well as do-it-yourselfers.

The Contractor Turbo blades feature a modern design that combines the speed of segmented blades with the smooth cutting ability of a continuous rim style. The turbo rim style has been specially designed to enhance cutting performance and extend blade life when compared to similar diamond blades. In fact, the Contractor Turbo blades last up to 43% longer over time.

Unlike typical blades that offer a standard 7 mm segment height, the Contractor Turbo blades feature an increased, 10 mm segment height. The enhanced height exposes more cutting surface to allow faster cutting and improved cut quality, while preventing premature dulling.

The number one enemy of a diamond blade is excessive heat. By offering a break or "relief" in the blade's rim, the Contractor Turbo blades' segments also help to



prevent detrimental heat transfer.

In even the most extreme conditions, the blade runs cooler in both wet and dry applications, preventing blade warping for longer life.

Five sizes are available and have been engineered to fit a wide range of angle grinders, and gas- and electric-powered saws. The

Contractor Turbo blades are part of an ever-expanding line of high-quality diamond blades from Dtec.

Source: Affinity Tool Works, LLC

Looking for more stories, links to manufacturers' websites? visit www.infrastructures.com

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A Rock Drill and Core Drill Combination for Subgrade Operation

E-Z Drill introduces the Model 240B “combo” drill system designed for straight-line drilling on a level subgrade. Similar to the Model 210B, but with the added capability of converting to a core drill, the Model 240B caters to both rock drilling and core drilling applications – eliminating the need for separate drilling systems. The conversion process requires just a few simple tools and can be quickly conducted while on the jobsite.

Featuring totally pneumatic operation, the core drill utilizes a 3-speed motor (400, 900 and 1,600 rpm) and requires a minimum of 77 CFM for operation, whereas the standard rock drill configuration requires 100 CFM. The unit can core and drill holes from 16 mm diameter up to 63.5 mm, and drill up to 46 cm deep.

The compact frame of the 240B allows it to operate in a 1.2 m patch while drilling within 15 cm of a corner. Since the unit is operated from the subgrade, it provides an

ideal choice when there is insufficient room to operate from the top of a slab, and the machine and user are kept out of traffic lanes. An optional vertical conversion kit enhances the machine’s versatility, allowing it to switch from a horizontal drill to a vertical drill.

When the core drill system is utilized, the unit does not need to be anchored to the concrete, virtually eliminating any set up time. The operator simply needs to roll the unit to the coring location and begin drilling. The core drill configuration comes standard with a water connection.

The 240B features a quick-release bit guide for fast, simple bit replacement and vertical height adjustment for drilling on center with slabs between 15 cm and 60 cm thick. E-Z Drill’s patented roller bear-



ing feed system eliminates friction while drilling, increasing speed and productivity. Drill carriages are easily replaced with basic tools, and quick coupler air fittings further simplify maintenance.

The drill also features components to protect the machine and the operator. Carriage locks secure the drill and bit in place when the air supply is off or disconnected, and auto-lock couplers automatically secure the air supply hose onto the drill coupling, eliminating the need for manual pinning. Furthermore, the machine includes a lubrication system for extended motor life.

Source: E-Z Drill



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bC India 2013 Set For February 5-8, 2013

The next BAUMA CONEXPO SHOW - bC India will be held February 5-8, 2013. The second edition of the International Trade Fair for Construction Machinery, Building Material Machines, Mining Machines and Construction Vehicles will take place at the MMRDA Grounds in the Bandra Kurla Complex in Mumbai. The space allocated for the exhibition in 2013 has increased to 130,000 m², up 47% from 2011, to accommodate the growing demand.

The 2011 show attracted 508 exhibitors with nearly 100 companies on the waiting list. "The Indian market continues to experience strong growth. We are pleased to offer significantly more space at the next bC India at the MMRDA Grounds - Bandra Kurla Complex to capitalize on this location's industrial and logistical advantages. Furthermore, the quality of business visitors, which was rated as very high at the first edition, supported our decision to hold bC India 2013 again in Mumbai. We will be able to offer more companies the chance to present their products and machinery to a professional trade audience in 2013," said Thomas Löffler, chief executive of bC Expo India and deputy CEO of MMI India.

The premiere of the BAUMA CONEXPO SHOW - bC India in 2011 attracted 24,823 visitors from 71 countries. The show hosted nine national pavilions from Australia, China, Finland, France, Germany, Italy, Korea, Spain and the United Kingdom.

The BAUMA CONEXPO Show - bC India is a joint venture between Messe München International (MMI) and AEM, the North-American Association of Equipment Manufacturers.

Source: Messe München International (MMI)
Association of Equipment Manufacturers (AEM)

"Hands-on" at ICUEE 2011

The 2011 ICUEE, International Construction and Utility Equipment Exposition will feature new safety equipment demonstrations and a new show exhibitor demo schedule. The ICUEE Ride & Drive track for on-road commercial vehicles returns for attendees interested in trucks, truck engines and components.

ICUEE 2011 will be held October 4-6, 2011 at the Kentucky Exposition Center in Louisville, Kentucky.

New for ICUEE 2011 are crane and rigging safety demonstrations from the National Commission for the Certification of Crane Operators (NCCCO) and International Powered Access Federation (IPAF), with a focus on ensuring adequate ground support for the machine and load carried. ICUEE will also again feature a general show safety demo area which has focused on topics such as live-line safety and pole top/fall protection.

On the Ride & Drive track, attendees can test-drive commercial vehicles "on the open road" to better examine not only the trucks but also engines and components, including transmissions; power systems; clutch and brake systems; safety and collision warning systems; fleet, fuel and GPS management systems; and hybrid and alternative fuel systems.

Source: International Construction and Utility Equipment Exposition

Appointments

Leica Geosystems recently announced the appointment of **Mauricio Jaimes** as its new GIS Business Development manager, effective immediately.

Mr. Jaimes is a seasoned sales and marketing executive with more than 19 years of experience in business development and international sales management for Geospatial Technologies. He has an established track record of driving revenue growth, as well as major account development. Mauricio Jaimes is poised to help Leica Geosystems succeed in the next phase of the company's sales growth as it continues to build itself into one of the leading GIS solutions providers in the NAFTA region.

Over the last decade, Mr. Jaimes has held positions in various senior-level sales roles in the United States and Europe. Prior to joining Leica Geosystems, Mauricio Jaimes most recently served as sales manager, EMEA at Trimble Utilities Field Solutions (Germany), a division of Trimble Navigation, Limited.

Source: Leica Geosystems Inc.

Ammann Canada has taken an important step toward a strong leadership presence in the compaction market with its appointment of **Michael (Mike) Byron** as the company's first Product Support manager - North America.



"I've known and worked with Mike for many years in the past," said Peter Price, the Ammann Area sales manager in Canada. "His knowledge of compaction equipment is matched only by the esteem he has earned from equipment dealers and contractors across Canada. I can't think of anyone more qualified to lead Ammann's product support strategy in North America."

Mike Byron has represented some of the world's top brand names in compaction rollers and light compaction equipment through a career in the equipment industry that spans more than 30 years. Well-grounded in equipment maintenance and paving applications, Mr. Byron also brings a sound foundation in parts and service management to his new position. Mike Byron says he welcomes the opportunity to help Ammann achieve its potential in Canada as a global leader.

Mr. Byron will start immediately to introduce himself to Ammann's growing network of Canadian dealers and distributors. Among his top priorities for development is a detailed analysis of the regional demands for service and repair parts, leading to a new strategy of parts inventories and logistics.

Source: Ammann Canada, (647) 938-4725

UTI to Display HDD Drill Pipe, Tooling and Trencher Parts at ICUEE 2011



Underground Tools, Inc. (UTI) will be displaying its comprehensive line of premium quality directional drilling pipe, HDD tooling, and high quality trencher parts at ICUEE 2011.

UTI offers drill pipe for nearly every make and model of drill rig. UTI's drill pipe is readily available, and made from top quality materials, with careful consideration given to precise threaded connections. UTI's comprehensive line of HDD down-hole tooling includes carriage chain, connectors, reamers, sonde housings and pilot bits for most makes and models.

UTI's trencher parts line includes chains, cutting systems and sprockets. All are made with the finest steel and carbide and heat-treated to ensure strength. Trencher parts are lab tested and field-proven for durability. They meet or exceed manufacturer's specifications and are available for all makes and models of trenchers.

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Source: Underground Tools, Inc.



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NASCC Proceedings Available

While there is no substitution for attending NASCC: The Steel Conference in person, AISC offers the next best thing. As a benefit for attendees and members, audio is taped and synchronized with the speakers' PowerPoint presentations. The recorded sessions are then posted online at www.aisc.org/2011nasconline.

Why does AISC do this? The Steel Conference is a bit different from other conferences. While most conferences issue a call for papers, consider abstracts, and then select those who will present a paper, The Steel Conference takes a different approach. The planning committee selects topics and then seeks out the top experts on those topics. As a result, we do not require our presenters to produce papers. Instead, our proceedings are an actual documentation of the material presented at the conference. AISC then makes much of this material available at no charge as part of its mission to disseminate information that makes it easier to design and build with structural steel.

Next year, for the first time ever, The Steel Conference is co-locating with the World Steel Bridge Symposium in Dallas April 18-21, 2012. Find out more about the 2012 NASCC at www.aisc.org/nascc.

Source: American Institute of Steel Construction

Agenda

Reach Expo 2011

July 19 - 20, 2011
Houston, TX USA

APOM Technical Day

September 9, 2011
Lévis, QC Canada

BalticBuild - 15th International Building and Interiors Exhibition

ExpoClimate - International Forum for water supply and climate equipment
September 12 - 14, 2011
St. Petersburg, Russia

Canadian Snow & Ice Expo

September 13, 2011
Ottawa, ON Canada

APEX 2011

September 14 - 16, 2011
Maastricht, The Netherlands

IndiaBuild

September 15 - 17, 2011
New Delhi, India

Expo-Paysages (Outdoor Landscaping Exhibition)

September 16 - 17, 2011
Saint-Liboire, QC Canada

2011 APWA International Public Works Congress & Exposition

September 18 - 21, 2011
Denver, Colorado USA

ICUEE - The International Construction & Utility Exposition

October 4 - 6, 2011
Louisville, KY USA



Greenbuild 2011,

October 4 - 7, 2011
Toronto, ON Canada

WaterSmart Innovations Conference and Exposition

October 5 - 7, 2011
Las Vegas, NV USA

The 3rd Annual North America Strategic Infrastructure Leadership Forum

October 11 - 13, 2011
Washington, DC USA

Crane & Rigging Conference (CRC)

October 12 - 13, 2011
Edmonton, AB Canada



NeoCon® East

November 2 - 3, 2011
Baltimore, MD USA

Congrès INFRA 2011

November 7 - 9, 2011
Quebec City, QC Canada

Canadian Waste & Recycling Expo

November 9 - 10, 2011
Montreal, QC Canada

Atlantic Heavy Equipment Show

March 29 - 30, 2012
Moncton, NB Canada



EXPO GRANDS TRAVAUX 2012

April 13 - 14, 2012
Montreal, QC Canada



INTERMAT 2012

April 16 - 21, 2012
Paris, France



The Steel Conference & World Steel Bridge Symposium

April 18 - 21, 2012
Dallas, TX USA

AUTOSTRADA-POLSKA

May 8 - 11, 2012
Kielce, Poland

DEMO International® 2012

September 20 - 22, 2012
Saint-Raymond, QC Canada

BAUMA CONEXPO SHOW - bC India

February 5 - 8, 2013
Mumbai, India

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April 15 - 21, 2013
Munich, Germany



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