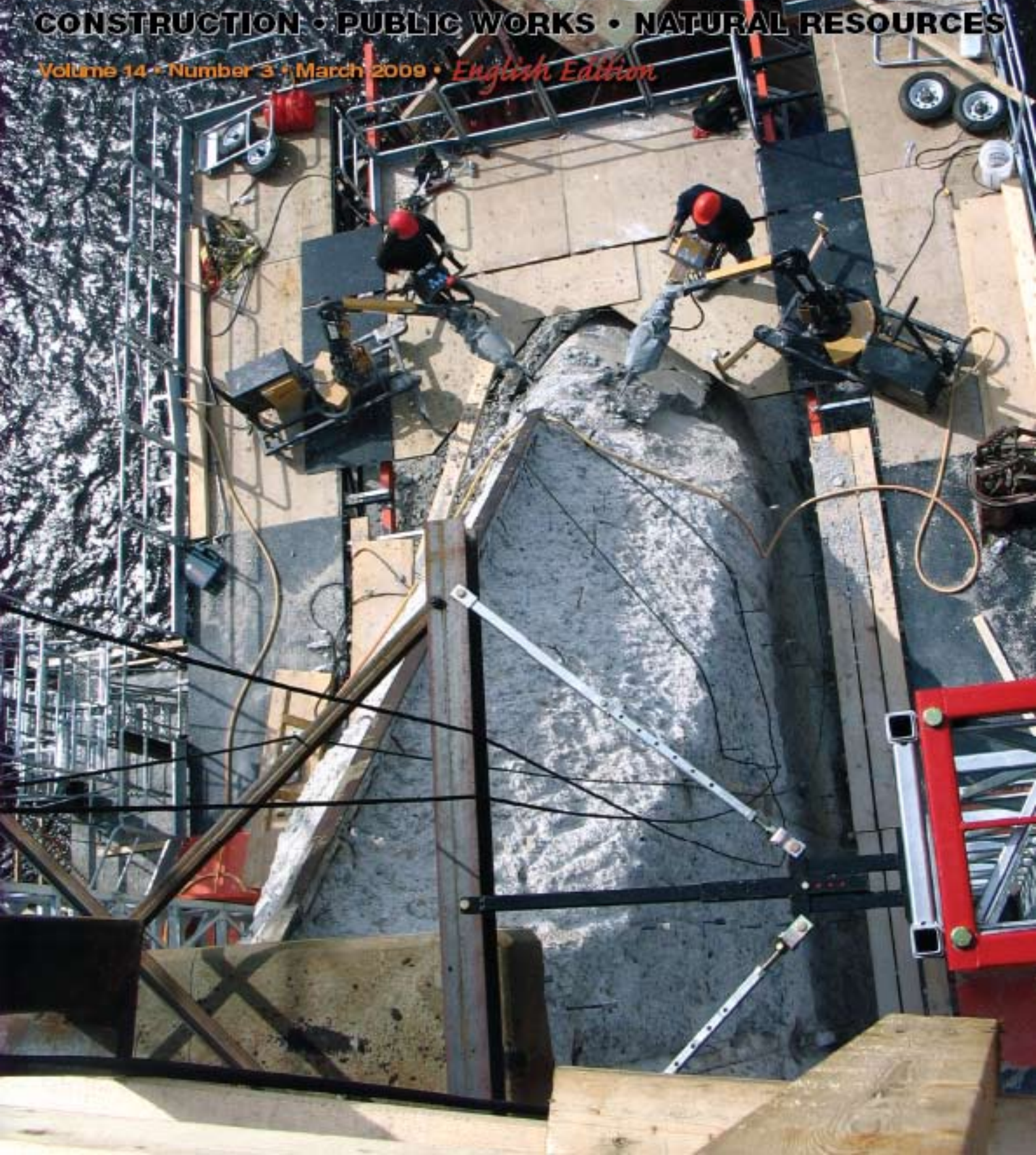


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Volume 14 • Number 3 • March 2009 • *English Edition*





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**Volume 14 Number 3**  
**March 2009**

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InfraStructures is circulated free of charge to qualified users of heavy machinery and specialized equipment in construction, public works, and natural resources across Canada in both French and English.

The cost of a subscription for either edition for one year is \$20 for Canadian residents and US\$50 or €50 for U.S. and overseas.

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Bibliothèque Nationale du Québec, 2009

**DISTRIBUTED BY CANADA POST**  
Publications Mail Agreement #40052183

## A Brief Word...

"Beware the Ides of March", is an oft cited and ill understood Shakespearean quotation, much like our daily economic news presently. Yet as we move further into 2009 this phrase can perhaps be used to describe the underlying tone of business towards growth and the procurement of equipment and technologies.

As the Fates would have it, March will see the kick off to the show season with the National Heavy Equipment Show, RoofTech, Expo Grands Travaux, Intermat and others coming in rapid succession. None of which fall upon March's Ides, nor the Ides of any other month so far as I am aware. A "Good Omen" for the more pessimistic or superstitious amongst us.

Chance is a game of cards and it has no place in running a successful contracting company or economy, the proof of which is all around at the moment. Planning, Leadership and Level Headedness should be the daily tools of contractors and business managers regardless of the economic forecast. "Fools Rush In..." is not a sound strategy or catchy motto!

"Vini, Vidi, Vici" is the mantra we need to recite, more now than ever and leave guesswork, dithering and superstition to Las Vegas.



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On the cover:

Two P.A.M. machines are used for the restoration of the 16 piles of the Moose River railroad bridge near Moosonee, in Northern Ontario.

Work was carried out by Sema Railway Structures Inc., from Toronto, Ontario, and Le Groupe Sema Structures Ferroviaires Inc., from Sainte-Flavie, Québec. These sister companies specialize in maintenance and repair work on railway structures in Eastern Canada.



## HILLHEAD 2009 POSTPONED

In view of both the scale and speed with which the current adverse economic climate has developed, a decision has been made to postpone the Hillhead show scheduled for June 2009 for a period of 12 months.

Despite the show being heavily booked as usual, discussions took place with leading exhibitors at the end of January following which it was concluded that it would be in the best interests of the event if it were put back

a full year to allow UK market conditions time to stabilize.

The organizers apologize for any inconvenience this may cause and the new dates for Hillhead 2010 are June 22 - 24.

Source: QMJ Publishing Ltd

## DOOSAN SELECTS ORBCOMM-BASED TELEMATICS APPLICATION FROM MO- BILENET AS STANDARD EQUIPMENT

ORBCOMM Inc., a global satellite data

communications company focused on two-way Machine-to-Machine (M2M) communications, and MobileNet, Inc. a global solutions provider specializing in heavy equipment telematics applications, recently announced that Doosan Infracore America (DIA) has selected MobileNet's TrakPak application as the GPS system to be included as standard equipment on new qualifying Doosan DX Series Excavators and DL Series Wheel Loaders.

MobileNet's TrakPak application is an onboard vehicle monitoring and communications system that helps heavy equipment users improve operational efficiency by remotely monitoring machine usage. The system tracks and communicates key productivity and performance information, which can be accessed through an online web site, providing a detailed examination of individual machine's operation. The system uses ORBCOMM's global low Earth orbit satellite constellation for communications, relaying critical positioning and operational data from the machine to the MobileNet back office application.

Source: ORBCOMM Inc.

## CHESAPEAKE ENERGY CORPORATION SIGNS WITH ESRI

Chesapeake Energy Corporation (CE) can now easily obtain geographic information system (GIS) software by using its ESRI enterprise license agreement (ELA). The ELA has simplified the petroleum company's efforts to expand its GIS by providing easier access to software and resources as well as a higher level of expertise.

Owning natural gas and oil wells across several regions, CE is the largest producer of natural gas in the United States. When the company implemented GIS in its land department, demand rose quickly, and in just three years, its user community grew from 6 people to 700, with applications in place across multiple departments. The GIS team found it frustrating to try to keep up with the rising GIS demand while buying software piece by piece. With the ELA in place, software pricing is more consistent, making it easier for the company to forecast a GIS budget. It also supports a faster means to obtain software and immediately meet its needs.

In just two years, the company's GIS staff grew from 5 analysts to nearly 50, with another dozen GIS IT support staff, all requiring high-level tools. Now three years out, GIS has become deeply embedded in the organization, and the actual user base continues to expand as employees adopt GIS to visualize



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company data. "When we took a hard look at our metrics of user growth, we realized the ELA was a good deal for us," explained Julie Parker, CE's director of GIS services.

As part of its agreement, CE has opted to include the ESRI Enterprise Advantage Program (EEAP). "We now have an assigned ESRI representative who understands our specific needs, keeps us informed about ESRI's development paths, and helps us to plan accordingly," Ms. Parker noted. "It's like ESRI has its finger on the pulse of our business. The ELA has opened the door for a much deeper and more robust collaboration."

The bulk of the system user base works in CE's geology, operations, and land departments. Employees have been thrilled to see their data in a spatial context and are queued up to work with the GIS team to develop new applications. An example of the CE GIS staff's innovation is an application that integrates with the corporate human resources database to create maps useful for managing teams assigned to various prospect areas. The ESRI ELA will also support CE's planned ArcGIS Server project, which will further ESRI software use within the company.

Source: ESRI

#### **CARLSON SOFTWARE UPGRADES GRADE SUPERVISOR TO V1.10**

Over the past six months, Carlson Software's Grade Supervisor has been well received by the construction community thanks to being both affordable and easy-to-use. Recent improvements to this software for day-to-day surface and grade management tasks have made Grade Supervisor even more user-friendly and effective.

Designed for both man and machine, Grade Supervisor works either on the pole or in a vehicle, moving seamlessly from man rover (GPS pole) to monitor rover (pickup/ATV). The software is Windows XP/Vista compatible and supports most all GPS/GNSS receivers, including Topcon, Magellan, Altus and Javad.

"Traditional methods for supervising a work site have proved to be inaccurate, slow, and labor intensive," says Randy Noland, a vice president of the Positioning and Machine

Control Division. "Carlson's improved Grade Supervisor provides all the tools needed for complete grade management without the complexity as it allows grade contractors to know their grade instantly. For bid verification, they'll always know the accurate starting surface volumes with Grade Supervisor before moving any dirt."

In addition to providing direct import of DWG files, DXF files, and machine control files, including tn3, gc3, and ln3, Grade

Supervisor now offers 3D View and PDF Volumes Reports. It also provides Bluetooth® support and offers a New Slope interface.

"Supervisors can get daily, weekly, or anytime volumes, track real-time cut/fill, plus both collect and stake points," adds Mr. Noland. "Users have found that productivity and profitability increase as their accuracy is improved with the help of this software."

Source: Carlson Software

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## CRANE OPERATOR CERTIFICATION PROGRAM ACCREDITED BY ANSI

The National Center for Construction Education and Research announces the Crane Operator Certification Program: Industrial/All Purpose, Rough Terrain/All Terrain, and Rubber Tire Truck Mount has received accreditation by the American National Standards Institute (ANSI). The crane certification program is a collaboration of NCCER, North American Crane Bureau (NACB), and Prov™.

The Crane Operator Certification Program identifies individuals with the professional knowledge and skills worthy of being designated as certified crane operators. It includes both written assessments and practical examinations that meet or exceed current ASME B30.5 consensus safety standards, as well as OSHA 1910 standards, for mobile crane operators. Assessments are available in four categories: telescopic boom, lattice boom, boom truck, and industrial/all-purpose cranes.

Written assessments are administered throughout the country by NCCER Accredited Assessment Centers meeting the crane endorsement requirements, and the practical examinations are given by certified practical examiners. Practical examiner certification workshops are administered by NACB.

One of the unique features of this program is on-demand testing. The program is structured so a crane operator can take the written assessment and practical examination and receive results back the same day. An operator's certification is good for five years.

Source: The National Center for Construction Education and Research (NCCER)

## uShip.com LAUNCHES DEDICATED CATEGORY FOR HEAVY EQUIPMENT TRANSPORT

Online shipping marketplace uShip.com has created a new category exclusively for heavy equipment transport listings. The new category houses listings for a large variety of heavy shipments, including tractors, trenchers, dozers, backhoes, excavators, skid steers, pavers, scrapers and other equipment used in the agricultural, construction,

forestry, mining, petroleum and transportation industries.

Shipping customers that need to have equipment transported can list their shipment details in just a few easy steps and the exact specifications for most types of equipment are imported automatically from the equipment specifications database at [www.RitchieWiki.com](http://www.RitchieWiki.com). The site, sponsored by

uShip partner Ritchie Bros. Auctioneers, the world's largest industrial auctioneer, contains specs at for more than 11 000 different machines to date. The specs give heavy haulers the key information they need to calculate an accurate service quote. Transporters in uShip's network of feedback-rated service providers place competitive bids to win the job, resulting in lower shipping prices and ef-

## Elemix Concrete Additive Launches at World of Concrete 2009

Elemix® concrete additive made its market debut at World of Concrete 2009 in Las Vegas, Nevada. Elemix additive utilizes advanced polymer technology to consistently deliver energy efficient, durable, lightweight concrete.

Comprised of specially formulated polymeric spheres, Elemix concrete additive distributes uniformly in concrete, providing lightweight, durable concrete for structural and non-structural applications. With a closed cell honeycomb-like interior structure, Elemix additive has the unique ability to absorb energy, which reduces cracking and improves thermal energy efficiency in concrete applications.

"Elemix additive has been a great product to work with. Its lightweight characteristics have allowed us to build faster, with less blow-outs and a better overall pour," said Oscar Peralta, president, GMI Group.

Manufactured to exact tolerances, Elemix additive ultimately reduces the variability in concrete mixtures, delivering a more consistent batch — every time. Concrete formulated with Elemix additive allows the producer to customize lower unit weights, while improving the physical characteristics of concrete — pumping improves, thermal performance increases and durability is better - resulting in an enhanced, lightweight concrete product.



"With Elemix additive, we are able to provide a unique product to the marketplace. It is the most revolutionary new product in decades," stated Ted Kienstra Jr., owner, Kienstra Ready Mixed Concrete.

Elemix additive is suitable for any application where lightweight and durability are important including: ready mix, manufactured concrete products,

precast and prestressed applications.

Source: SYNTHEON® Inc., a wholly-owned subsidiary of NOVA Chemicals Inc.

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ficient service from high-quality transporters.

Transportation service providers can use uShip's heavy equipment category to browse through hundreds of listings and find shipments that they are interested in bidding on. The site is often used by transporters looking to find backhauls and fill extra cargo space--a key factor in keeping prices low.

The addition of a heavy equipment category positions uShip.com as a leader in heavy equipment transportation. Recent partnerships with Ritchie Bros. and MachineFinder.com, a network of used equipment dealers, are making uShip.com the preferred online shipping platform for the heavy equipment auction and resale industry.

Source: uShip.com

### NEW GUIDES TO FRP REINFORCEMENT FOR CONCRETE STRUCTURES

The American Composites Manufacturers Association (ACMA) recently announced the availability of three new guides to fiber reinforced polymers (FRP) for concrete reinforcement that could help broaden markets for composites use. The documents are published by the American Concrete Institute (ACI) and developed by the ACI 440 technical committee, in which ACMA is a participant.

"With the publication of materials and construction specifications in mandatory language, ACI 440 has provided engineers and contractors with reference documents that save them an inordinate amount of time and, more importantly, give them the tools for safe and quality implementation of FRP as internal reinforcement to concrete," says Dr. Antonio Nanni, professor and chair of the University of Miami's Department of Civil, Architectural & Environmental Engineering. "It is an important step forward for the entire construction industry and ultimately the public." Dr. Nanni is the primary author of ACI 440.5 and 440.6, two of the three new ACI publications.

The new publications include:

- ACI 440.2R-08: Guide for the Design and Construction of Externally Bonded FRP Systems for Strengthening Concrete Structures.
- ACI 440.5-08: Specification for Construction with Fiber-Reinforced Polymer (FRP) Reinforcing Bars.
- ACI 440.6-08: Specification for Carbon and Glass Fiber-Reinforced Polymer (FRP) Bar Materials for Concrete Reinforcement.

"These documents provide the background and specifications necessary for FRP composites to be accepted and utilized as reinforcement for concrete," says John Busel,

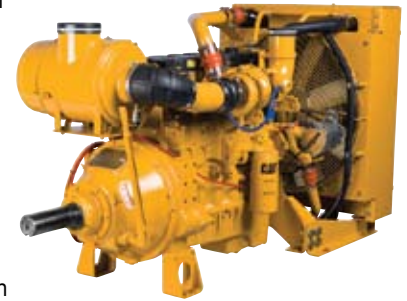
## New ACERT® Open Power Units for Industrial Applications

Caterpillar recently announced the introduction of C7 ACERT® (225-300 hp) and C9 ACERT® (275-375 hp) Industrial Open Power Units (IOPU) for industrial applications.

"The Industrial Open Power Unit is a complete power package containing the radiator, flywheel, alternator and alternator wiring pre-assembled for fast, straightforward installation into a number of OEM applications," said Cat industrial engine marketing manager Mike Reinhart. "The introduction of these units continues the Caterpillar commitment to provide additional value to our OEM and end-user customers. And because these units are backed by the most responsive global support network in the world, they deliver outstanding performance and reliability," he added.

Additional options include auxiliary crank pulleys, battery cables, bases and clutches making an IOPU an even more compact and versatile option for dealers and OEMs. Available in multiple engine ratings, the Industrial Open Power Units will be available for delivery in the first quarter of 2009.

Source: Caterpillar Inc.



## CON-E-CO Introduces Intelli-Drive

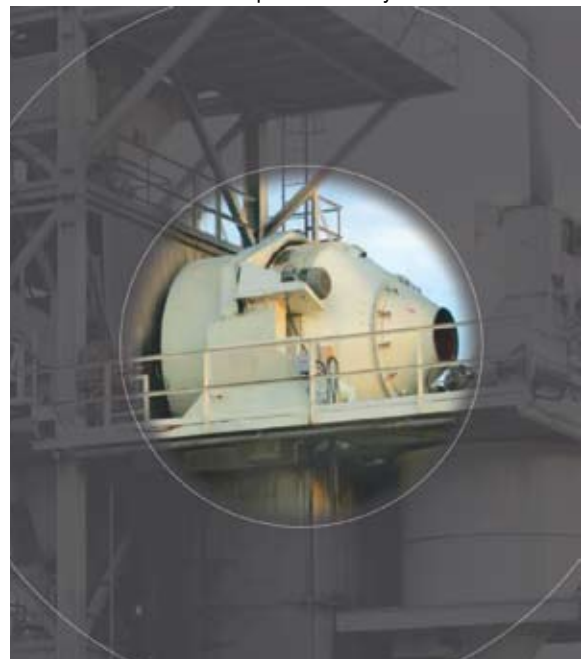
CON-E-CO, an Oshkosh Corporation company, today introduced a new Intelli-Drive™ Variable Frequency Drive (VFD) system that monitors a batch plant's activity and decelerates the drum's rotation between batches or when mix time has been exceeded. The result is increased component life, reduced maintenance costs, less spatter (and clean up time) and optimized discharge speed.

With the Intelli-Drive VFD, when in a reduced speed mode between batches, less stress is placed on components such as the rollers, roller track, pinion gears and ring gears. The Intelli-Drive VFD system also lessens wear on items such as the drum liners and paddle liners. When the Process Logic Controller (PLC) senses the drum being loaded, it speeds the mixer back up to the ideal mixing speed. Once the mixer begins tilting for discharge, the PLC again slows the mixer's rotation.

"The CON-E-CO Intelli-Drive VFD system is another example of our listening and responding to customers' needs for longer component life and reduced maintenance costs," said Neil Smith, CON-E-CO general manager. "Moreover, the system's ability to adjust itself and operate at optimal speed is an important benefit. Initial customer feedback has been tremendous."

The Intelli-Drive VFD system features an automatic operation that is completely independent of the plant operator, allowing for easy installation with any brand of automation or tilt mixer.

Source: Concrete Equipment Company







## Mobile Crushing and Screening in Action

The unification of the Extec and Fintec brands into the Sandvik group of companies has created the world's largest, most comprehensive, and dynamic line-up of mobile crushing and screening equipment in the world. The Sandvik Mobile Screens and Crushers range now delivers all the familiar characteristics of productivity, versatility and exceptionally low running costs combined with levels of durability and aftersales support that are synonymous with the Sandvik name. New name, improved service, same great product.





ACMA's director of Composites Growth Initiative, and chairman of the ACI Committee 440. "They will help the composites industry make greater inroads with the architects and engineers who are specifying construction projects that call for strengthening concrete structures."

Source: American Composites Manufacturers Association

### **FORDIA MAKES ELKO ITS U.S. HOME**

Elko, Nevada, a town of just 60 000 people, may be a small town by many standards, but for Fordia Group, it now represents home.

"Fordia has had small outpost locations in the United States for a few years now, where our customers could review catalogues and order supplies," says the new U.S. regional director, Laurie Cyr. "The obvious product interest and growing base of customers in the U.S. indicated a need for Fordia to make an investment in this market. And we chose Elko, Nevada."

The new operational base represents Fordia's commitment to better servicing the needs of the many customers who comprise the region's exploration and mining industries – spread throughout Nevada, Arizona, and Utah.

As the leader in this new office, Mr. Cyr will take a personal interest in the specific needs of Fordia's customers. He already knows many of them from his previous endeavours – 35 years as a drilling contractor, working in the field for some of the industry's leading exploration companies in Canada, South America, Asia and the United States. Having pushed the limits of Fordia's products in the field, he knows what works.

The customer service team is already in place. Kathy Rogers, who also has an extensive background with industry-leading mining organizations and transport companies in the area, will act as an account manager, handling incoming product orders and service requests. She has already made it her personal mission to ensure Fordia's customers get what they need. Michael Eli will act as warehouse manager, ensuring orders are fulfilled accurately and on a timely basis.

With this seasoned veteran at the helm of the Elko office, Fordia has made a strong commitment to provide better service to its U.S. customers.

Source: Fordia

## **A Revolution in Tire Protection**

RUD Erlau has chosen Intermat to showcase an entirely new product which is set to save a fortune in earthmover tires. The company is well-known for having pioneered the tire traction and protection chains that are now considered essential to cost-effective load and haul operations in quarries and mines around the world.

While RUD-Erlau chains have been protecting loader tires for 65 years, until now, truck tires have remained vulnerable to sidewall damage from haul road rock debris and accidental impact. Since comprehensive tire protection would slow the trucks and raise fuel consumption to unacceptable levels, damage limitation, to date, has required employing an expensive shovel or a dozer to keep the roadways clean.

To overcome these problems and to give truck tires the same protection as loader tires, RUD-Erlau designers got together with the operators and, drawing on their many years of experience developing chain-based products, created the Sideflex.

Easy to fit, Sideflex provides a robust but lightweight shield which deflects rock debris from the tire wall.

Field-trialed, tested and, now, patented, the Sideflex' appearance is novel. Arms radiate from a central retaining ring and tension triangular segments of chain. The entire assembly fits firmly within the wheel hub and almost brushes the ground preventing sharp rocks from penetrating the tire-wall.

Definitely distinctive, the lightweight Sideflex is simple, effective and, most importantly, saves tires and improves productivity.

Source: RUD-Erlau AG

**INTERMAT**

H5B L030



## **Kenworth Hybrid Service Truck for Field Service Operations**

Kenworth Truck Company introduced its first diesel-electric hybrid truck in a service application at the recent World of Concrete Show in Las Vegas.

Kenworth's goal is to enhance fuel economy by up to 50% with the new Kenworth T270 hybrid service truck, which is expected to draw interest for use in various service applications in construction and other industries.

"Service applications are perfect for the hybrid due to the various onboard tools and diagnostic equipment mechanics use and the stop-and-go pace of moving from location to location to fix equipment," said Gary Moore, Kenworth assistant general manager for marketing and sales. "Instead of idling the engine to run the crane and other equipment, a mechanic can operate them on electric power, which reduces emissions. That allows companies to go 'green,' helping the environment."

The Kenworth T270 hybrid is powered by a 260 hp PACCAR PX-6 engine, and features an integral transmission-mounted motor/generator, a frame-mounted 340 V battery pack and a dedicated power management system. The power management system provides electricity to run a 4500 kg hydraulic crane. Sundt Construction of Tempe, Arizona, will take delivery of the Class 6 truck, equipped with a Valew mechanic's field service body.

Source: Kenworth Truck Company





# New Liebherr Mobile Crane in Twin Lift for Dubai Metro

*John Hooper, Joem Promotions on behalf of Liebherr-Werk Ehingen GmbH Special Collaboration*



Al Faris Equipment Rental keeps Dubai Metro on-track at Jumeirah Lake Towers Station with a Liebherr 250 t mobile crane in a twin lift on the 140 t pedestrian footbridge gantry.

A newly delivered 250 t capacity Liebherr telescopic crane from Al Faris Equipment Rentals is being used by the J.T. Metro J.V on the Dubai Metro's Jumeirah Lake Towers Station in a 140 t twin lift of the gantry footbridge.

The LTM1250-6.1 joins the Al Faris Equipment Rentals fleet, one of the largest in the Middle East with more than 250 mobile cranes and

including 130 Liebherr models; all fitted with Liccon software ensuring lifts are made safely and economically.

Al Faris Equipment Rentals was formed in Dubai in 1992 to provide rental craneage and transportation for the oil and gas industry later extending into oil refineries, power plants

and the construction sector.

To date, Al Faris has taken delivery of 22 Liebherr mobile cranes this year and has a further 14 on order including its largest mobile crane, a Liebherr 1200 t capacity LTM11200-9.1.

Illustrated, the LTM1250-6.1 performs a twin lift of the 32 m long x 10 m wide x 6 m high steel gantry which, once fitted out will become the pedestrian bridge spanning the four lanes of the Sheikh Zayed Road at Jumeirah Lakes Station.

Weighing 140 t, the gantry was lifted and positioned on 'stools' alongside the Sheikh Zayed Road for fitting out. Once completed, the bridge will be finally positioned in a hydraulic lift.

The Liebherr LTM 1250-6.1 mobile crane features a 15,5 m – 72 m telescopic boom and has a maximum lifting capacity of 250 t at 3 m radius. It also features a 108 m maximum lifting height.

The six-axle mobile crane offers improved operating safety in the travel mode and has a top speed of 80 km.

## Dubai Metro

On track for operations to begin in 2009, the Dubai Metro is set to be one of the most



estimated 32 000 passengers/hour.

Groundworks were started in February 2006. In August a second line, the 17,6 km Green Line was announced, intersecting the red line at two stations and running from Al Ittihad Square to Rashidiya.

When fully operational, the Dubai Metro has been designed to carry approximately 1,2 million passengers on an average day and 355 million passengers annually.



advanced urban rail systems in the world; and the world's longest fully automated rail system.

The 52,1 km Red Line will feature 29 stations and run from Jebel Ali to Rashidiya. The line is expected to take 60 minutes to travel in driverless, fully automated trains carrying an

Main contractor for the Dubai Metro is the Mitsubishi Heavy Industries, Mitsubishi Corporation, Obayashi Corporation, Kajima Corporation and Yapi Merkezi Joint Venture.



# PowerGrade Offers Unprecedented Jobsite Flexibility

Leica PowerGrade, Leica Geosystems' next-generation grade control system, revolutionizes the construction process with one of the industry's first multi-machine compatible grading control systems.

The Leica PowerGrade system incorporates the innovative PowerSnap docking station that lets machine operators move the Leica PowerGrade automatic control panels from one machine to another with a quick lift-and-snap motion. The operator simply lifts the contact-free, sealed control panel off one machine and snaps it into place on another. Machine-specific settings are permanently stored in the docking station.

"It is virtually plug-and-play technology on the jobsite. PowerGrade combines an intuitive color graphic display with flexible system configurations so full machine control is fast and easy, with quicker payback on the investment. PowerGrade's flexibility matches the system to the job today, tomorrow and

down the road so the savings just keep on coming," says Rich Calvird, product marketing manager for Leica Geosystems.



Fully waterproof and designed for the harshest construction environments, the Leica PowerGrade system provides automatic control of both slope and elevation and can be used with a wide range of sensors. Dual-laser sensor configurations are available for those who need to work independently of the slope

direction. Leica PowerGrade also features unique automatic side-shift control for motor graders and mast-tilt compensation.



The Leica PowerGrade system is easily upgraded and fully scalable from basic 2D to full 3D capability.

With a complete range of 2D sensors including laser, sonic, and cross-slope, and 3D upgrade capability to TPS, GNSS, or both, PowerGrade is the most complete grading control system in the industry.

Source: Leica Geosystems

## FINN Introduces the MTS: Material Transfer System

With the ability to carry and discharge a variety of materials including aggregate, soil mixes, mulch, sand and palletized loads, the new MTS (Material Transfer System) from FINN Corporation is the first of its kind in the company's product line. Using a state-of-the-art hydraulic system that is electronically controlled and ultimately reliable, the MTS enhances productivity and minimizes effort for the end-user.

The MTS offers several unique features, most notable are the reversible main floor conveyor and cross belt. The reversible cross belt is exclusive to the MTS and gives the user the option to unload material from either side of the machine – curbside or road-side. The belt moves material and directly dumps it into the wheelbarrow, saving the user from the strenuous and time-consuming task of shoveling. Furthermore, the main reversible conveyor floor combined with the wide-opening rear door allows an entire load to be dumped in less than a minute. Speeds for both the main conveyor floor and cross belt are independently adjustable, allowing complete control over material flow rates.

With the ability to fill a wheelbarrow in four

seconds, the MTS does the same amount of work in a fraction of the time it would take with the traditional shoveling method. If material needs to be removed from a jobsite, the multi purpose vacuum provides for fast and easy clean up of leaves and grass clippings — wet or dry — and other debris.

The 11,5 m<sup>3</sup>, 5000 kg capacity hopper is constructed of lightweight, yet durable aluminum. With an empty weight of 3084 kg, the MTS is light enough to be towed by most ¾-ton trucks, yet built to handle the heaviest loads, thanks to the steel trailer chassis.

The MTS powers both using a single 25-hp Kohler Command Pro gasoline engine. This not only reduces maintenance requirements, but total fuel consumption as well.

To further reduce the amount of moving parts, the MTS has a unique sloped design on the front of the unit, which uses simple geometry to accurately feed material onto

the conveyor belts. This eliminates the need for moving parts such as augers or agitators used to direct material onto the belt, reducing the potential for expensive repairs and costly



downtime, while increasing safety.

FINN backs the MTS with a standard one-year warranty, while the engine carries a two-year warranty. Other standard features include a Roll-Rite™ electric tarp system, which quickly and easily secures into place with a push of a button to protect material from rain, wind, sunlight and other elements.

Source: FINN Corporation



# John Deere Expands Compact Track Loader Line

John Deere has added the small frame CT315 to its compact track loader line, a 45-hp unit that already meets interim Tier 4 emissions standards.

The CT315 becomes Deere's first radial lift compact track loader, as well as its smallest, with a 320 mm track and a narrow overall machine width of just over 152 cm.

While the CT315 is compact, it is a production machine, with a powerful 680 kg rated operating capacity. Its cushioned bucket and lift cylinders provide smooth deceleration at the end of the boom-lower position and also cushion the bucket when curling and dumping a load.

The CT315 offers an industry-best 360° view that is uninterrupted to the sides, both above and below the lift arms. This means the operator can also see the tracks and the ground around the machine with the boom in the resting position. The low-sloped rear hood allows unmatched rear visibility, rare for a radial lift-style machine, as there are no tall rear towers to block key sight lines necessary

while operating in reverse.

John Deere's industry-leading 60/40 weight distribution from the back to the front of the machine gives operators a great balance of stability, power and maneuverability under load.

Under the hood, the impressive torque and torque rise performance of the Deere PowerTech™ 4024T 4-cylinder 2.4-L engine provides superior engine lugging capability while working heavy loads.

Track loader-specific boom and bucket breakout forces make the CT315 a superior digging machine, while less than five pounds of ground pressure per square inch make it ideal for work on turf. The planetary drive system gives the unit best-in-class pushing

power in grading applications.

The unit's wide-open track frame configu-



ration enables easy cleaning, and a simple track sag check system and tension design greatly lowers the risk of de-tracking.

The CT315 also takes a wide variety of John Deere Worksite Pro attachments, further enhancing jobsite productivity.

Source: Deere & Company

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# Eaton Awarded Hydraulic Systems Contract For Emsworth Locks And Dams Overhaul

Eaton Corporation recently announced it will be a key supplier in the U.S. Army Corps of Engineers rehabilitation of the Main Channel Dam at the Emsworth Locks and Dams on the Ohio River near Pittsburgh, Pennsylvania. The U.S. Army Corps of Engineers Pittsburgh District is rehabilitating the Main and Back Dams at Emsworth, built in 1938, to ensure reliable navigation on the upper Ohio River.

Joseph B. Fay Company, of Tarentum, Pennsylvania, the prime contractor for the three-year rehabilitation project, has subcontracted Eaton to supply hydraulic systems and related installation services that will be used in the replacement of seven of the Main Channel Dam's eight lift gates and gate operating machinery.

"Eaton offers virtually all the hydraulic system components used in the civil engineering industry, which is an important, emerging market for Eaton," said Kevin DuPont, Eaton product sales manager. "Providing turnkey support for the Emsworth project demon-

strates our strengths and positions Eaton well to support global infrastructure upgrades."

Eaton will begin supplying components for the Emsworth Main Channel Dam upgrade in the third quarter of 2009, with anticipated completion of the project in 2011.

Eaton's Hydraulics Group is a segment of the company's Industrial Sector. The business is a worldwide leader in the design, manufacture and marketing of a comprehensive line of reliable, high-efficiency hydraulic systems and components for use in mobile and industrial

applications. Mobile and industrial markets include agriculture, construction, mining, forestry, utility, material handling, earthmoving, truck and bus, machine tools, molding, primary metals, automotive, power generation, port machinery and entertainment. Eaton's Hydraulics Group provides customer-driven solutions under product names such as Aeroquip®, Boston®, Char-Lynn®, Eaton®, Hydro-Line®, Synflex®, Vickers®, Walterscheid™, and Weatherhead®.

Source: Eaton Corporation



## Drop-in Fire Suppression Unit for RTV900 Utility Vehicle

Kubota Tractor Corporation has partnered with E.J. Metals, Inc. of Hortonville, Wisconsin, to launch an exclusive drop-in high pressure fire suppression system, which is performance-matched and hydraulically-powered by Kubota's RTV900 Worksite Utility model. The new unit, named "Assault Force 70", will provide fire departments, communities and municipalities with a low-cost quick-response unit designed to respond to a diverse range of fire situations.

"Together with Kubota's expertise, E.J. Metals has designed the Assault Force 70 as a versatile high-pressure fire suppression unit that is powered directly from the RTV900's remote hydraulic circuit," says Dan Muramoto, product manager for Kubota.

The Assault Force 70's state-of-the-art high pressure unit uses a fraction of the water volume versus lower pressure systems, resulting in better run times and less damage to property. "Using biodegradable Class A foam at a 2% mix rate, the unit runs for a minimum of 13 minutes at continuous full-discharge using only 265 l of water," states Kevin Quinn, president and founder of E.J. Metals. "This

unit can extinguish a fully-engulfed car fire with less than 95 l of water."

Because it is powered by the RTV900's remote hydraulic circuit, this fire suppression system does not require a separate gas



engine, eliminating the risk of flammability. The Assault Force 70 system requires only minor electrical and hydraulic hookups, along with the removal of the standard cargo box sides and tailgate; a four-pin system securely retains the unit on the cargo box floor and allows for easy removal.

A remote hydraulic utility valve system with a redundant hydraulic oil cooler, reservoir, and filter for continuous-duty use comes

standard equipment for the RTV900 Worksite Utility model. Additionally, eight complementary heavy-duty hydraulic tools are available for the RTV900s – adding even greater usefulness and versatility to the hard-working



machines. A key tool for fire-fighting applications is Kubota's hydraulic submersible pump, which can be used to quickly refill the Assault Force 70's or other water tanks from remote water sources such as pools, ponds or lakes at a rate of 945 l/min. Other Kubota hydraulic tools such as the chain saw and breaker can be used for maintenance duty when not fighting fires.

Source: Kubota Tractor Corporation



# 2009 International Roofing Expo

Formerly the NRCA Annual Tradeshow, this event was again held in Las Vegas, Nevada, to bring together members of the commercial, residential, metal and asphalt roofing industries.

This year's event, with its focus on the current economic situation, promised to provide participants with insight into new and emergent strategies and technologies. In addition to the numerous displays, there was the usual focus on education with accredited sessions available in a broad range of related subject areas, including strategic and financial planning to help weather the current storm.

Tension was in the air as all attendees held

their breath waiting to hear the news about the deliberations in the U.S. capital over the

particularly.

The plans for 2010 are already taking



new administration's stimulus bill. Although the stimulus package was not approved until after the show, there was a strong sense of optimism that monies would be coming to aid the economy, and the roofing sector

shape, including a return to New Orleans, Louisiana.

For more information you can visit [www.theroofingexpo.com](http://www.theroofingexpo.com) or contact your local industry organization.

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# New Hybrid Hydrodemolition Robot from Aquajet

Hydrodemolition specialist Aquajet Systems has introduced the world's first hybrid robot offering dual-power features with simple "switchover" operation.

A new diesel/electric-powered hybrid hydrodemolition robot introduced by Swedish specialist company Aquajet Systems, offers a wide range of new features, including pollution-free operation in enclosed areas in electric-mode.

Simple "switchover" operation ensures easy change to diesel power eliminating, for example, the need for electric cables.

In electric mode, a "slow start" electric motor, ensures initial reduced operation accepting full load in up to 5 seconds, thereby preventing power surge failures.

Featuring an optional extended mast height of up to 9 m, the new robot is 20% larger than conventional models and offers larger, adjustable tracks to provide a variable width of between 1,5 – 2,0 m; for increased stability if required.

The hybrid model also incorporates a new type of steering drive to turn and twist the units powerhead at the increased heights to provide improved precision.

Aquajet has also developed a multi-axis

system allowing the powerhead to be moved quickly, allowing it to work on vertical, curved or horizontal surfaces. The system can also turn the power-head 180° in the horizontal position.

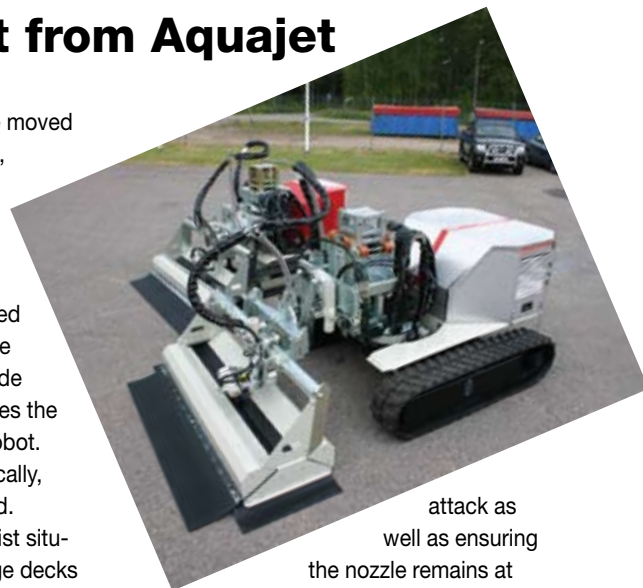
Additionally, to further speed operation, the robot has been designed to turn through 90° travelling along the wall surface. This together with the side movement of the powerhead eliminates the constant "stop-start" turning of the robot.

The robotic units can operate vertically, horizontally and overhead as standard. Attachments allow removal in specialist situations, for example, underneath bridge decks or underwater.

The hybrid Aquacutter features an automated control system that optimizes settings and applies the minimal force required. This allows the robot to operate selectively, with its high pressured jet of water penetrating into the weak concrete as it passes across the surface.

An innovative intelligent sensing controlled system and a patented high-pressure lance control combine to offer high efficiency and performance.

The EDS system optimizes the angle of



attack as well as ensuring the nozzle remains at the correct set distance.

This in turn ensures that the optimum "angle of attack" can be selected, maintaining maximum power from the jet, whilst keeping the nozzle at the correct set distance from the surface independent from the selected angle of attack.

The angle can change by as much as + to – 30° maximizing concrete removal around the reinforcing bars.

The hybrid systems power pack is powered by a 20 hp engine or a 15 kW electric motor.

Source: Aquajet Systems AB

## AUSA to Showcase Innovations at Intermat

AUSA will be attending Intermat 2009, where it will present its new D 250 AHGA Dumper. The D 250 AHGA is an articulated dumper with a 2500 kg load capacity that features 180°

rotating hi-tip unloading with a maximum tip height of 1,8 m, which significantly enhances productivity. It also offers superb maneuverability for working in difficult spaces thanks to its compact 4X4 design. In addition, it provides exceptional stability that is enhanced by its scissors lift system, wider lift channel and the incorporation of a rear counterweight, comprised of a single-shell steel body. It is also equipped with a weight limit safety system for loads that exceed 2500 kg, ensuring excellent stability under all kinds of operating conditions.

AUSA will also be exhibiting several machines such as the D 1000 APG Dumper, the C 500H Forklift, the diesel-engined multiservice Task M 50 D, the T 204H Taurulift and the new Taurulift T 276 H.

Source: AUSA



INTERMAT E6 B061

## Axiomatic AX022000

Axiomatic announces the release of a new multi-purpose Valve Controller with 1 universal signal input to 2-3A outputs, part number AX022000. This controller is part of a growing line of compact rugged valve controllers packaged for harsh operating environments.

The Dual Output CAN Valve Controller is designed to control two proportional or on/off solenoid valves, with the ability to accept a voltage, current, resistive, digital, frequency or PWM input. This Valve Controller

offers the end-user a high value/cost ratio. With superior processing technology, the AX022000 controller is an economical solution to meet the complex control requirements in today's off-highway equipment. This small device is a useful extension on a wide variety of machine applications.

Source: Axiomatic



INTERMAT H6 C060



# Tanfield Takes Electric Vehicles to North America

The Tanfield Group Plc, the leading manufacturer of aerial work platforms and commercial electric vehicles, is pleased to announce the incorporation of Smith Electric Vehicles US Corporation (SEV US Corp).

Tanfield has signed Heads of Terms regarding the establishment of SEV US Corp, the funding of SEV US Corp, the licence of intellectual property rights to SEV US Corp, and the provision by Tanfield of support services.

SEV US Corp will be a privately-owned company, in which Tanfield will have a 49% stake. As a 51%

American-owned business, SEV US Corp qualifies to apply for the substantial Federal



SEV US Corp intends to commence production of the Smith Newton truck for sale in North America during 2009, with further zero emission product lines to follow in the truck, van and light van sectors. The Smith Newton is based on the Avia truck chassis and is available in configurations from 7500 kg to 12 000 kg gross vehicle weight which equate to North American Class 5 and 6 medium duty trucks.

Source: The Tanfield Group Plc

and regional funding currently available for electric vehicle manufacturers in the U.S.

## TABE at Intermat

TABE will attend Intermat 2009, in line with its international expansion strategy. "One of the company objectives is to attract potential clients with the capacity to distribute the brand in other countries," says Francisco Probanza, TABE's recently appointed sales manager.

Visitors will be able to view a wide range of products and experience the power and flexibility of the different hammer ranges. TABE will present its latest heavy duty hydraulic hammers, the AGB-10, AGB 15 and AGB 18, to the international market.

Source: TABE



## Breaker and Hammer AIR-OIL with anti-icing properties

Atlas Copco introduces its Breaker and Hammer AIR OIL with anti-icing properties. The biodegradable lubricant is developed for Atlas Copco TEX pneumatic breakers and hammers.

Continuous lubrication is needed even more in times of frosty weather conditions. Pneumatic breakers and hammers might experience downtime from freezing caused by ice formations in and around ports and valves. This is what Atlas

Copco Breaker and Hammer AIR-OIL avoids with its ice-dissolving power.

The lubricant has been especially designed for demanding applications. All pneumatic tools used under tough conditions are facing the risk of corrosion. The fully synthetic Atlas Copco Breaker and Hammer AIR-OIL permanently absorbs moisture and protects pneumatic tools against corrosion. It ensures smooth, continuous operation even under extreme conditions.

Continuous lubrication optimizes the machine lifetime, reduces maintenance costs and provides a trouble-free ownership. Apart from Atlas Copco TEX breakers and hammers, the new Breaker and Hammer AIR-OIL can also protect all other pneumatic tools in the market.

Breaker and Hammer AIR-OIL is readily biodegradable according to OECD 301. This defines a product with biodegradability over 60% within 10 days.

Source: Atlas Copco





# World of Concrete 2009 Delivers Positive Results

World of Concrete (WOC) 2009, held February 3 - 6, 2009 delivered another strong event with 65 287 visitors. This 35<sup>th</sup> edition



of WOC confirms that even in a challenging economy, attendees and exhibitors understand the importance and value of this annual international event for the commercial concrete and masonry industry.

Exhibitors met and networked with qualified buyers at WOC and took this opportunity to exchange ideas on sustaining business, obtaining the education necessary to be up-to-date on new products and technologies, and learn about new ways to run a smart and lean business during this challenging time for the construction sector.



World of Concrete has been recognized by Tradeshow Week as one of the Fastest 50 Tradeshows in both 2007 and 2008, and WOC 2009 did not disappoint with special product and action areas including The Producer Center, Material Handling, Concrete Repair and Demolition, World of Masonry, and Technology for Construction.

World of Concrete is proud to have been selected to participate in the 2009 International Buyer Program. World of Concrete Management and the U.S. Commercial Service worked closely in the global promotion of the show bringing International buyers and exhibitors together to expand business both domestically and overseas. As part of the program, delegations from all over the globe attended World of Concrete to network with other international visitors as well as connect

with exhibitors interested in exporting goods and services.

The returning GREENSITE area on the



show floor showcased the latest green build technologies along with displays, video and live presentations, and limitless information about this exciting new aspect of the construction industry. The first annual GREENSITE Luncheon & Forum, sponsored by Holcim, forum provided contractors,

producers and architects a place to share ideas on how to be a part of this growing construction segment.



The next edition of World of Concrete will be held again in Las Vegas from February 2 - 5, 2010, with seminars beginning on February 1, 2010, at the Las Vegas Convention Center.

Source: Hanley Wood, LLC

## Fordia Creates Core Bit Solution for Geotechnical Industry

Following numerous customer requests from the geotechnical industry for core bits that were specifically built to their requirements, Fordia has responded with the development of the Geo Hawk diamond tool series.

Fordia, a Canadian manufacturing company, specializes in the fields of mineral exploration and core drilling. For over 30 years, the company has also been offering diamond core bits and other specific products to the geotechnical field.

The Geo Hawk diamond tool series is designed with technical specifications particular to the geotechnical industry. With adapted sizes and diamond impregnation heights, the core bit series has everything needed to fulfill the needs of any geotechnical drilling company.

Geo Hawk core bits are made in Canada according to ISO 9001: 2008 norms. Moreover, they are manufactured using diamonds cast directly into a matrix using a process that does not affect the cutting abilities of the tool.

Fordia has enabled workers to facilitate the choice of a matrix and consider the type of ground to be drilled by defining the Geo Hawk core bits with a simple and efficient color code. A selection of four matrices is available to cover the complete range of ground types, ensuring an optimal performance in relation with the type of work to be done.

Backed by a competitive cost and the reputable quality of Fordia's diamond tools already used in mineral exploration, Geo Hawk core bits will facilitate productivity on worldwide geotechnical work sites.

Source: Fordia



**INTERMAG**



## CGER is Sure about Cimline

The Centre de gestion de l'équipement roulant (CGER) has awarded the purchase of a Cimline 230 DH melter/applicator to J.A. Larue Inc. of Quebec City.

CGER is a centralised agency mandated to procure and supply equipment and materiel to provincial and municipal agencies throughout Quebec. This allows the most effective use of expertise and buying power to be applied on behalf of agencies whose special-

ity is something other than buying, selling or servicing products, in this case the village of Sainte-Anne-des-Monts.

This community turned to the CGER to help them obtain a machine to fill pavement cracks on municipal roads. With the mu-



## Superior Awarded Patent on Conveyor Pulley Design

Superior Industries, a leading manufacturer of conveyor systems and components, announced recently that the company's new wing pulley was awarded a patent from the United States Patent and Trademark Office. This patented pulley design is sold under Superior Industries' Federally Registered Trademark "Chevron® wing pulley".

The innovative v-shape design helps to shed and deflect material resulting in reduced wing bending and extended belt life.

Additionally, the design aids belt tracking and maintains a sound level that measures 50 dBA quieter than standard wind pulleys. Superior's Chevron wing pulley is sold in both CEMA and super duty specifications.

Headquartered in Morris, Minnesota, Superior Industries designs and fabricates a full line of conveying equipment, telescoping conveyors, feed systems, conveyor idlers, pulleys, as well as other conveyor components. The company operates from additional facilities in Prescott Valley, Arizona and Norcross, Georgia.

Source: Superior Industries



nicipality being the pavement maintenance experts and CGER the equipment experts, the choice of the Cimline MAGMA 230 DH makes for an informed choice.

The Cimline MAGMA series melter/applicator represents the most reliable and highest productivity machine available in Canada.

A sturdy tubular steel frame and torsion axles make for a durable platform on top of which is constructed Cimlines' famous "Obround" material tank, featuring rotary agitation and high efficiency angled burner design with full-time "Internal Material Recovery". The 290 000 BTU diesel burner provides MAGMA users the fastest start-up and re-heat times available in the industry, with no need for troublesome overnight heaters that deteriorate the Heat Transfer Oil. The Superflex electrically heated hose, true fully digital temperature controls and an industry-leading low loading height of only 1200 mm, make the MAGMA 230 DH the easiest and safest machine to use and it is preferred by operators across the country over competitive systems.

By selecting Cimline, CGER has not just chosen the leading hot rubber cracksealing equipment available but has also chosen the leading supplier of pavement maintenance equipment to support them. As part of the Cimline Pavement Maintenance Group (CPMG), Cimline engineers and specialists join a burgeoning team of experts at Durapatcher and Equipt to provide information and support for all kinds of pavement preservation projects and machinery. The CPMG organization also supports an extensive network of dealers like J.A. Larue, who provide local parts, service and technical support to municipalities and contractors.

Cimline is proud to work in conjunction with CGER and J.A. Larue to provide top quality equipment to the dedicated crews in Sainte-Anne-des-Monts.

Source: Cimline Pavement Maintenance Group

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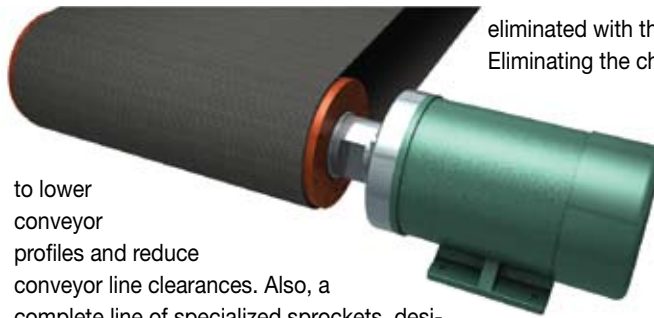
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# Van der Graaf Will Highlight New Cross Drive™ Technology at World of Asphalt

Patent-pending Cross Drive™ from Van der Graaf Inc. will be highlighted at World of Asphalt 2009. The unique Cross Drive technology implements the efficiency, space savings and safety benefits of internally powered conveyor drive rollers and combines it with conventional external drive design that allows for quicker and more economical conveyor moves or maintenance. The Cross Drive's gear assembly is housed within a sealed conveyor drive roller protected from the environment and is connected directly to an external motor eliminating the chain/sprocket or belt/pulley used in conventional systems.

The compact, low-profile Cross Drive, requires less operating space than conventional in-line drives by eliminating speed/gear reducers, allowing systems designers the flexibility to use belt conveyors in more applications. Chain/sprocket or belt/pulley arrangements and their associated safety guards are also eliminated allowing end-users



to lower conveyor profiles and reduce conveyor line clearances. Also, a complete line of specialized sprockets, designed to drive an industry-standard segmented conveyor belt, attached to the cross drive roller expands the application range.

The transfer of power from the motor's drive shaft to the drive roller's outer shell is 96% mechanically efficient through a precision-cut, hardened-steel gear assembly. Also, rotation of the motor's shaft is parallel with the axis of rotation of the drive roller's shell.

No external moving parts eliminate the possibility of employee injury and/or product contamination. OSHA requires chain guards for conventional systems, but they are

eliminated with the Cross Drive design. Eliminating the chain guards also eliminates components that require maintenance. Another safety concern is noise in the workplace. OSHA requires that employers provide protective noise-abatement devices in areas that exceed set limits. The Cross Drive is internally-driven, significantly reducing noise decibel levels.

The cost to retrofit a conveyor with Cross Drive technology is surprisingly low and cost effective. The Cross Drive roller easily slides into place and is secured with just 4 bolts, then the motor of choice is attached to the roller shaft with a standard coupler. If the motor fails a replacement can be installed quickly, significantly reducing the downtime needed by conventional external drive systems.

Source: Van der Graaf Inc.

## ROTEX® Screeners Ensure Fast, Efficient, and Accurate Screening of Abrasive Materials

Recently, the ROTEX® Screener from ROTEX Global, LLC, was featured in the CBS News *Sunday Morning* story, "The History of Salt, In a Pinch".

ROTEX Screeners provide rapid distribution, stratification, and separation of particles through the gyratory-reciprocating motion of the near-horizontal screen surface. Designed to maintain efficiency and capacity, the positive screen mesh cleaning system contains bouncing balls to keep screen openings clear and aid particle stratification.

The unique gyratory-reciprocating motion begins with a horizontal circular motion at the feed end that immediately spreads the material across the full width of the screen, maximizing screen use. The circular motion gradually diminishes along the length of the machine to an elliptical path, and finally to a nearly straight-line motion at the discharge end. This motion allows the machine to process material at a high capacity and improves screening performance with near-size material. There is no vertical component to this motion, thus keeping the material in

constant contact with the screen surface.

The corrosion-resistant design and construction withstands even abrasive applications, including mined salt, road salt, water softener pellets, and edible salts. Dynamic Absorber drives are designed for long-term, trouble-free service with minimal maintenance. A sliding inlet connection eliminates the need for regular replacement of connecting sleeves.

ROTEX Screener models range from 1 to 5 screen surfaces for separations from 12 mm to 325 mesh. All screener models include completely enclosed positive sealing, stainless steel contact parts, automatic tensioning, and patented spring actuated clamps.

The recently introduced APEX™ Screener incorporates the same gyratory-reciprocating motion and efficiency performance of the ROTEX Screener. In addition, the APEX features such ergonomic features as side access to screens and ball trays. The result is

the screener can be maintained efficiently by one person, resulting in increased production up-time.

In addition to the ROTEX and APEX



screeners, Rotex offers another separation option, the Minerals Separator™ which provides unsurpassed screening performance when high capacity, sharp separations, and high efficiencies are required. Its elliptical-linear motion is ideal for mined minerals and abrasive applications, including salt, sand, roofing granules, potash, clay, and borax.

Source: ROTEX Global, LLC



# Roadtec's New RT-500 Cold Recycler

Roadtec will be offering a new cold recycler for use in cold-in-place recycling projects that use the recycling train concept. A recycling train consists of tanker trucks, cold planers, crushing and screening units, mixers, pavers and rollers. The new RT-500 can handle up to 600 t/h of material. The RT-500 cold recycler is designed to crush and screen the RAP produced by the RX-900 cold planer, and the on-board pugmill mixes emulsion into the recycled material.

The RT-500's JCI brand double deck screen receives the milled up material from the RX-900 conveyor. Any oversized material goes through the RT-500's Telsmith 3048 impact crusher and back to the screen via a two-conveyor return circuit. The conveyors are outfitted with cleated belts for maximum production. A water spray system prevents dust build up on rollers and the conveyors are covered for safety and to prevent roll-off.

Material that passes the screen drops onto a 122 cm weigh belt. The belt's electronic scale, accurate to  $\pm 1\%$ , communicates with the blending computer, which in turn adjusts the flow of additives that go into the RT-500's JCI/KPI Model 52 pugmill mixer. This twin shaft mixer has a capacity of 600 t/h. After a thorough mixing in the pugmill the material is discharged in a windrow onto the roadway. The whole RT-500 system is run by electric motors powered by a Caterpillar C-9 generator set.

The Roadtec 950 horsepower RX-900 cold planer is the recycling train's sole source of propulsion. It tows the RT-500 cold recycler and a nurse tank for the emulsions. It also pushes a water truck and a slurry tanker that are always with the train. The RX-900 also pushes another emulsion tanker and slurry tank when they are present

to replenish the tankers hooked to the train. Those two replenishing tankers are attached to the train just long enough to pump off their products and then go to a staging area



where they are refilled to return to the train. A windrow loader follows the train to pick up the material and feed it to a conventional paver to be spread on the roadway.

Source: Roadtec

## New P1/PD Pump Torque Limiter From Parker

Parker Hannifin, the global leader in motion and control technologies, has introduced an optional torque limiter for 45 - 140 cm<sup>3</sup>/rev model P1/PD series pumps to benefit customers who need automatic torque limiting for their mobile and industrial applications. This allows the use of smaller prime movers, resulting in more efficient use of fuel or electricity.

"The torque limiter adjusts flow in the circuit to keep the prime mover from stalling under heavy loads," said Peter Medins, marketing product manager, Parker Hannifin Corporation, Hydraulic Pump Division. "A good analogy is downshifting a heavy truck that's climbing a long grade. The engine puts out the same horsepower, but the truck simply goes slower as the grade increases."

"The benefit in a hydraulic system is that you can reduce the maximum horsepower

available and still handle the same load without stalling. This capability is very significant in the mobile and industrial applications our compact P1/PD pumps are designed for."

To accomplish this, the torque limiter control monitors both pressure and displacement as measured by the pump's hanger angle. It is a single spring unit that works with the Parker compensator, a ventable pressure limiter or a load sensing or remote venting circuit.

As pressure rises, flow is reduced according to the zero adjustment spring rate of the torque limiter. When pressure has risen to its full value, the compensator assumes control. The torque limiter normally functions down to 20% of corner horsepower, but lower adjustments are possible at the expense of peak pressure.

Parker P1/PD series medium pressure (280

bar/4060 psi), variable displacement, axial piston pumps are design-optimized for open circuit mobile equipment (P1) and industrial applications (PD). The pumps – rated for continuous operation at 2600 rpm – feature a compact, round housing that is both smaller and quieter than conventional pumps with comparable capabilities. Standard options include a full power through drive, a choice of SAE and ISO mounting flanges and ports, end or side inlet and outlet ports, and case drain ports for horizontal, vertical or shaft-up mounting.

Source: Parker Hannifin



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# First Nations to Examine Opportunities in Energy

There are unprecedented opportunities for First Nations in renewable energy generation and transmission throughout First Nations territories. First Nations in Ontario are embarking on an engagement process to identify potential opportunities and partnerships in energy.

"It may not seem logical that First Nations are talking opportunity and economic benefit during a recession. But for First Nations, the opportunity for involvement in energy development hasn't been more ideal. Unlike others, we have a great deal to offer and not much to lose," said Grand Council Chief John Beaucage, leader of the 42-member First Nations of the Anishinabek Nation.

The Union of Ontario Indians will host five community engagement meetings and call upon a panel of energy experts to provide advice to the Ontario Power Authority (OPA) and the Minister of Energy and Infrastructure at the direction the Anishinabek Nation wants to take in energy opportunities.

Some opportunities and potential for development partnerships with First Nations include prime areas along the Great Lakes for wind power development; land for biomass generation projects, and ideal locations for alternative, small hydro, and non-evasive hydro projects. First Nations are also the rights-holders to vast territories across Ontario available for new energy infrastructure projects, including a new North-South transmission corridor that must come through Anishinabek Nation's territory.

Last September, The Honourable George Smitherman directed the OPA to undertake an enhanced process of consultation with First Nations to examine opportunities and partnerships in renewable power generation and transmission. The consultations would be reflected in the Integrated Power System Plan (IPSP), the 20-year plan designed to meet the energy needs of Ontario.

Although the OPA was asked to report back to the Minister within six months - the Anishinabek Nation assert that this process is uniquely their own.

"Our First Nations have directed us to engage our own communities - to determine our own needs and aspirations surrounding energy opportunities," said Grand Council Chief Beaucage. "We acknowledge the full scope of the opportunities available to us in energy. It is for that reason we opted to

consult with our own communities and citizens in this matter and not leave this up to the OPA and the Government."

The Anishinabek Nation established the Union of Ontario Indians as its political advocate and secretariat in 1949. The Union of Ontario Indians is the oldest political organization in Ontario and can trace its roots back to the Confederacy

of Three Fires that have existed long before European contact.

Source: Union of Ontario Indians



## Haida Nation and NaiKun Form Partnership for Offshore Wind Project

NaiKun Wind Energy Group Inc. and the Council of the Haida Nation are pleased to announce the formation of an historic partnership in support of the development of Canada's first offshore wind energy project.

The NaiKun project is located in the traditional territory of the Haida Nation, in British Columbia's Hecate Strait, between Haida Gwaii (the Queen Charlotte Islands) and the mainland.

The partnership will be a commercial limited partnership which will operate and maintain the NaiKun wind energy project after construction. The comprehensive limited partnership agreement provides for maximum benefits to the Haida Nation from the NaiKun project, including revenue sharing, environmental stewardship, and employment and economic development opportunities for the Haida.

The agreement formalizes the relationship between the Haida Nation and NaiKun which has been ongoing since 2002, and builds on the memorandum of understanding signed by the two parties in May 2007.

The Haida Nation and NaiKun Wind Operating Inc., a subsidiary of NaiKun, will participate equally in the partnership both in terms of ownership and economic value. NaiKun Wind Operating Inc. is the designated General Partner.

The project is contingent upon receipt of environmental approvals from the Haida Nation and through the harmonized federal/provincial environmental assessment process, and the award of an Electricity Purchase Agreement from BC Hydro.

Training and recruiting for the project will begin immediately to ensure a qualified workforce is in place as activity ramps up for the start of construction in 2012.

In addition to support from local First Nations, the NaiKun project also has strong public support. A public opinion poll conducted for NaiKun by the Mustel Group in September 2008 indicated that 73% of British Columbians support the project.

Source: NaiKun Wind Energy Group Inc.





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## New Ascorel Dealer for Ontario and Manitoba

FLO Components Ltd. announces its new partnership with ASCOREL USA to sell and install their complete product line of onboard scales. FLO Components is now responsible for product sales, installation and service of the Ascorel onboard scales product line. With the Ascorel product line, FLO Components Ltd. has a complete range of weighing solutions to meet the needs of material handling industries such as aggregate, mining and recycling in Ontario and Manitoba.

Now, more than ever, it is crucial for companies to track and contain costs. FLO Components can help them achieve that goal by keeping their machines running properly using lubrication systems and increasing their efficiency with onboard scales. The Ascorel line of onboard scales further enhances FLO Components' ability to help customers lower operating costs through a more efficient method of on-site loading.

"Companies are seeking new ways of lowering their operating expenses. It is common for a material handling facility to have to adjust 14% to 17% of their trucks each day. When you factor in fuel, labor and equipment costs, that adds up to thousands of dollars of unnecessary expense each month. Our scales can help reduce that cost significantly," says Yannick Bashizi, business development manager for Ascorel USA. "FLO Components brings a wealth of experience and success in the sales and distribution of installed aftermarket systems for the material handling industries. We see a tremendous need for our products in the North American market. Partnerships with companies such as FLO Components that sell, install and do on-site service of complementary products and have a proven track record for customer satisfaction are the foundation of our success in helping our mutual customers become more efficient and profitable."

Source: FLO Components Ltd.



## Phoenix to Host AISC's 2009 North American Steel Construction Conference

Phoenix, Arizona, will play host to more than 3000 steel construction professionals during the 2009 North American Steel Construction Conference, presented by the American, Canadian, and Mexican Institutes of Steel Construction. NASCC: The Steel Conference will be held April 1 - 4, 2009 and feature presentations from top industry leaders, more than 80 technical sessions, short course educational programming, and extensive trade show exhibits featuring products and services ranging from engineering software to the latest fabrication equipment.

The conference is the premier educational event aimed at providing designers, steel fabricators, erectors, and detailers with practical information and the latest design and construction techniques. It is a once-a-year opportunity to learn the latest in design methodology, see the most innovative products, and meet industry leaders. The conference continues to grow each year; last year's attendance exceeded 3700.

This year's Steel Conference kicks off with a potentially controversial session provocatively titled "*Connection Design Responsibility: Is the Debate Over?*" In the hour-long program, Charlie Carter, AISC's vice president of engineering and research, presents the findings of a joint task group formed by the Council of American Structural Engineers (CASE) and AISC. Kirk Harman from The Harman Group in Philadelphia and Glenn Bishop from LBID in Birmingham join the debate on the merits of delegating or not delegating the work of connection design.

For a complete list of the more than 80 sessions, please visit [www.aisc.org/nascc](http://www.aisc.org/nascc).

The conference also offers attendees with the opportunity to tour Schuff International's fabrication shop. Schuff has one of the largest and most advanced facilities in the country and will give designers a good look at the technology being used to fabricate their projects today.

Source: American Institute of Steel Construction

## Cummins Power Generation Recognized for Its Leadership in the North American Generator Set Market

Cummins Power Generation has received the 2008 North American Product Quality Leadership of the Year Award from Frost & Sullivan, a global growth consulting company. In granting the national award, Frost & Sullivan recognized Cummins Power Generation for its "effective business strategies and adoption of eco-friendly guidelines that establish the superiority of its products."

Each year, Frost & Sullivan presents this award to the company that has demonstrated superior quality control over its competitors in product manufacturing.

The award recognizes Cummins Power Generation for its commitment to maintaining a cleaner and environment-friendly design, manufacturing and distribution process that has enabled it to offer products that successfully meet or even surpass regulatory standards relating to noxious emissions and noise pollution.

Frost & Sullivan's Best Practices Awards recognize companies in a variety of regional and global markets for demonstrating outstanding achievement and superior performance in areas such as leadership, technological innovation, customer service and strategic product development. Industry analysts compare market participants and measure performance through in-depth interviews, analysis and extensive secondary research in order to identify best practices in the industry.

Source: Cummins Power Generation





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### SEMINAR SCHEDULE:

#### **Tuesday, May 26**

- New Products for 2009
- “Shop Talk” with the TMC
- Fuel Conservation
- Counterfeit, Copycat or Brand Names – Do You Really Know What You’re Getting?
- Today’s and Tomorrow’s Director of Maintenance

#### **Wednesday, May 27**

- Diabetes – Fourth Deadliest Disease on the Planet
- LCV (Long Combination Vehicles)
- Hands-On Training Sessions

#### **Thursday, May 28**

- Lubrication Specifications and Oil Analysis
- Alternative Climate Control

### SEMINAR HIGHLIGHTS:

- 5th Annual CFMS Golf Tournament
- Volvo “Maintenance Manager Of The Year” Award
- Outside Truck Display
- Silent Auction Supporting Ontario Special Olympics
- Trade Show



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## Agenda

**World of Asphalt / AGG1 Aggregates Forum & Expo**  
March 9 - 12, 2009  
Orlando, FL USA



**Prairie Regional Trade Show - Canadian Rental Association**  
March 14, 2009  
Saskatoon, SK Canada

**Quebexpo - Exposition de l'Association de location du Québec**  
March 31 - April 1, 2009  
Saint-Hyacinthe, QC Canada

**NASCC: The Steel Conference**  
April 1 - 4, 2009  
Phoenix, AR USA

**EXPO Grands Travaux**  
April 3 - 4, 2009  
Montreal, QC Canada



**ExpoCam 2009**  
April 16 - 18, 2009  
Montreal, QC Canada

**Intermat 2009**  
April 20 - 25, 2009  
Paris, France



**Building Fairs Brno**  
April 21 - 25, 2009  
Brno, Czech Republic

**APOM Technical Day**  
May 8, 2009  
Repentigny, QC Canada

**Truck & Bus World Forum & SOLUTRANS**  
May 10 - 16, 2009  
Lyon, France

**MASZBUD - International Construction Equipment & Special Vehicles Fair**  
May 12 - 15, 2009  
Kielce, Poland

**The Big Event - Northern Mines & Exploration Expo 2009**  
May 21 - 23, 2009  
Timmins, ON Canada

**WasteTech 2009**  
June 2 - 5, 2009  
Moscow, Russia

**CTT Moscow 2009**  
June 2 - 6, 2009  
Moscow, Russia

**M & T Expo 2009**  
June 2 - 6, 2009  
Sao Paulo, Brazil

**4<sup>th</sup> Annual Salon National de l'Environnement**  
June 19 - 21, 2009  
Montreal, QC Canada

**APOM Technical Day**  
September 11, 2009  
Trois-Rivières, QC Canada

**ICUEE - The International Construction & Utility Exposition**  
October 6 - 8, 2009  
Louisville, KY USA



**BICES - Beijing International Construction Machinery Exhibition & Seminar**  
November 3 - 6, 2009  
Beijing China

**INFRA 2009**  
November 16 - 18, 2009  
Mont-Tremblant, QC Canada

**Bauma 2010**  
April 19 - 25, 2010  
Munich, Germany



**Hillhead 2009 - Dates changed**  
June 22 - 24, 2010  
Buxton, UK





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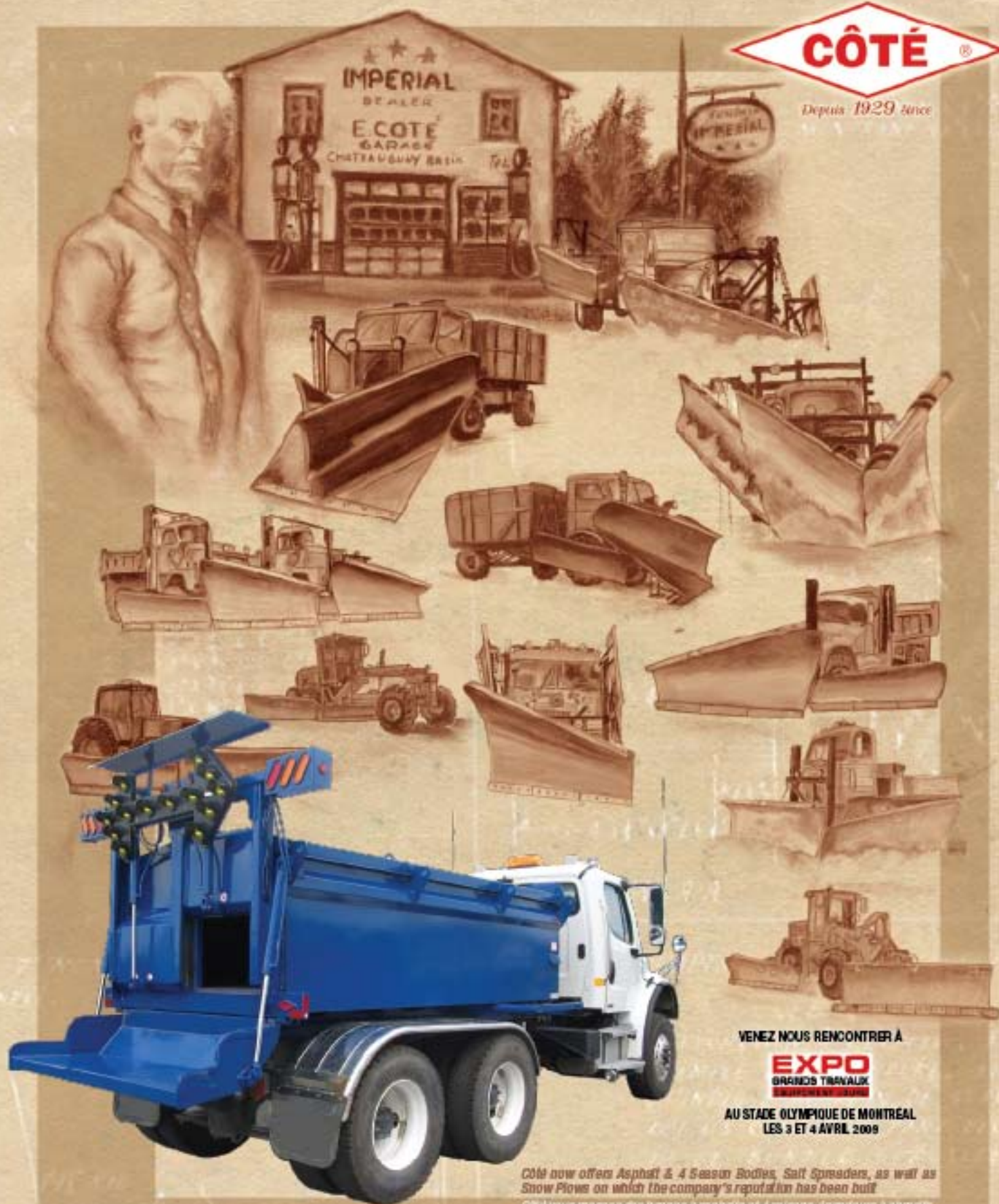
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