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A Word From the Publisher

In this issue of InfraStructures, you will find a lot of information on new products that will be displayed at the upcoming World of Asphalt show in March, and Intermat in April. There are a few short reports on other events that have been in the news lately or will be in the near future, plus the regular news of the industry.

InfraStructures also features technical articles that showcase different ways of doing things. In fact, this may be the most content-filled issue we have ever done.

Take the time to complete the subscription form. This helps us maintain our list is as complete and as up to date as possible.

Send us your stories and comments. We always appreciate hearing from you. Tell us what is brewing in your part of the country...

We hope that you will enjoy reading this issue of InfraStructures and will be back in April with more news and reports on trade shows from all over the world..

Editor/Publisher



On the cover:

Eustache Paulin, owner of Pelletrac Inc., offers his services to private companies and other contractors that need specialized equipment to work in tight spots.

His mini-excavator was used in this job, around petroleum product tanks, at a company specializing in the production of liquid bitumen used in asphalt blends for road paving as well as for the roofing industry located in the East-End of Montreal, Quebec.

RAILWAY SHOW AND SYMPOSIUM

The tenth annual TRAQ Group Railway Symposium will be held on May 2 - 3, 2006, in Sherbrooke, Quebec. This year, the honorary president is Mario Brault, president of the St. Lawrence & Atlantic Railway.

The Railway Symposium increases in scope every year in regards to railway industry participation. It is a meeting point for both industries and government participants, serving the TRAQ Group objectives in partnership with Transport Québec and Transport Canada.

For the 5th consecutive year, the Railway Symposium will feature a Railway Suppliers Show. Please note that this event is free of charge to visitors.

You are invited to take part in this year's activities. TRAQ Group has secured a special rate for attendees who wish to stay at DELTA Sherbrooke Hotel & Conference Center during the activities.

You can find more information on TRAQ Group's website.

Source: TRAQ Group, www.groupetraq.com

TRUCKING, TRANSPORTATION AND LOGISTICS UNDER ONE ROOF AT MONTREAL'S OLYMPIC STADIUM

The biggest and most comprehensive trucking, transportation and logistics trade show in North America will take place from April 26 to 28, 2007 at Montreal's Olympic Stadium.

Salon CAM-Logique will be produced by trade show specialists Master Promotions Ltd., in partnership with the Bomart Group, the publisher of L'Écho du transport, Gestion & Logistique and the Truck Transport Guide.



Increased Litter Capacity for the Madvac 101

Designed to meet the needs of high volume litter collection in today's busy streets, Madvac introduces an increased 80-gallon litter container to the Madvac 101 vehicle. The Madvac 101 vehicle can vacuum up



approximately 120 gallons of uncompacted litter through its patented vacuum compacting system into the new 80-gallon litter container.

This new added feature allows for fast, efficient, and economical litter collection. Operators can pick-up more litter in less time and have fewer bags to change, resulting in higher productivity. Moreover, it entails very little trash handling for the operators and labor-intensity is reduced.

Consistent with its tradition of innovation, the Madvac 101 is the ultimate in versatility, and offers unmatched maneuverability while disposing of litter. Madvac's self-compacting system can efficiently pick up glass, metal, bottles, cans, cardboard, plastic or any debris, wet or dry that fits into its hose.

Allianz Madvac Inc. has a worldwide customer network of 100 stocking distributors in over 50 countries. Madvac designs and manufactures vacuum litter collection vehicles since 1986, and has unquestionably become the leader in its field on the world market. It delivers total quality vehicles for airports, highways, amusement parks, cities & municipalities, federal & state properties, industrial & commercial complexes, landfill sites, parks, campgrounds, schools & universities, shopping centers & parking lots, streets and underground garage applications.

Source: Allianz Madvac Inc.

The timing and venue for Salon CAM-Logique will provide exhibitors with many advantages. A spring show is the ideal time to unveil new lines and launch new technologies, prior to the industry's busy fall season. Plus, the venue is second to none. The strategic location of the Olympic Stadium will provide all the amenities exhibitors need for a successful show including: technical support, ample parking, easy access to the subway, no height or space restrictions, corporate suites to entertain customers and much more, all at reasonable booth price.

Source: Master Promotions Ltd. Mark Cusack, 1-888-454-7469

CARLISLE ACQUIRES CHINESE BRAKE BUSINESS

Carlisle Motion Control Industries, a subsidiary of Carlisle Companies, has purchased 100% of the heavy-duty brake lining and brake shoe assets of Zhejiang Kete located in Hangzhou, China. Through this acquisition, Carlisle will increase its friction block capacity by more than 40% and add new OE quality brake shoes to its product offering.

This move enables Carlisle to more economically service markets in China, Malaysia, and Australia, as well as supplementing the company's domestic friction capacity to better serve the North American market. The Carlisle Hangzhou facility's quality systems meet the requirements of the QS9000 standard.

Carlisle Motion Control Industries has been a QS 9000/ISO 9001 certified company since 1997; manufacturing and marketing heavy duty asbestos-free brake linings and Altec™ remanufactured brake shoes for vehicles in class sizes six through eight. In 2005, Altec introduced RustGard™, a UV brake shoe coating that solves the problem of Rust-jacking and premature brake lining failure due to rusting brake shoes.

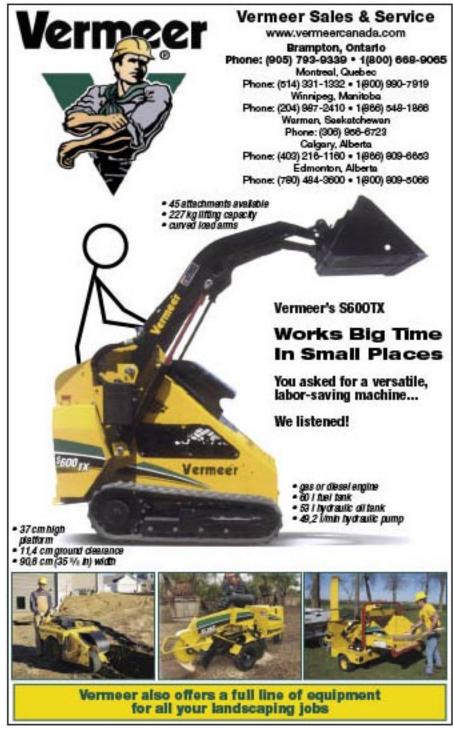
Altec Brake Systems, a division of Carlisle Motion Control Industries, has remanufactured more than 50 million shoes since its inception in 1988. Including the industry's first brake shoe coining press, the company has continued to develop and patent both processes and equipment so that all remanufactured brake shoes return to OE tolerances. Altec provides its customers with an OE-quality solution that significantly reduces maintenance costs.

Source: Carlisle Motion Control Industries, Inc.

CITY OF TORONTO LEADS NORTH AMERICA WITH NEW GREEN ROOF POLICY

"Green Roofs for Healthy Cities congratulates Mayor David Miller and Toronto City Council for adopting the first comprehensive set of green roof policies in North America" said Steven W. Peck, founder and president of Green Roofs for Healthy Cities, a Toronto-based non-profit green roof industry association. "These policies set the stage for a public-private partnership that will result in significant improvements to the quality of life in Toronto, reduce energy consumption and smog."

At a recent meeting, Toronto City Council approved Making Green Roofs Happen, its green roofs strategy which includes commitments to install green roof infrastructure on new and existing buildings, and recommends the establishment of pilot programs of financial incentives for privately owned green roofs. City officials will be working with



officials at Toronto Hydro and the Toronto Atmospheric Fund to develop programs that recognize the significant energy, air quality and climate change benefits of widespread green roof implementation.

Mayor David Miller said, "This is a perfect example of how we expect the new City of Toronto Act will help us govern in the best interest of Torontonians. Given the power to regulate green roofs in our City, we can work with residents to implement major initiatives that will make our city cleaner, healthier and more beautiful."

Deputy Mayor Joe Pantalone and Chair of the City's Environmental Round Table said, "Torontonians have asked us to do more to promote green roofs. In response, the City has approved a comprehensive approach from establishing standards and building our capacity to support Green Roofs at the City level, to offering education, funding, expert advice and promotion." The City recently commissioned a multi-disciplinary green roof benefits study by Ryerson University. Researchers found that 8% coverage of existing rooftops with extensive green roofs, would generate over \$300 million in initial cost savings in areas such as stormwater management, combined sewer overflow reduction, building energy savings, and the urban heat island reductions. Operational cost savings for the City from this level of coverage were calculated at approximately \$40 million per year.

Green roofs infrastructure are proven technologies that utilize high quality waterproofing, root repellency and drainage systems, and lightweight growing media to grow plants on roofs.

Source: Green Roofs for Healthy Cities

DOOSAN INFRACORE NAMES B&B RENT-ALS AS NEW DOOSAN DAEWOO DEALER

Doosan Infracore America names B&B Rentals as a new Dealer of Doosan Daewoo Construction Equipment. The Winnipegbased dealer will sell, rent and provide service to Doosan Daewoo excavators and wheel loaders in Manitoba.

B&B Rentals is a locally owned and operated, family-run business established in 1954. Its customers are primarily road-building and general construction users of B&B's Dynapac line of compaction equipment. B&B Rentals takes product support seriously, with its four full-time mechanics, six service bays, two full field service vehicles and an inside parts and service manager. Sales and rental functions are conducted by Paul Venn, president and owner of B&B Rentals, and outside sales representative Neil L'heureux.

"Doosan rounds out B&B Rentals to make us a full-fledged heavy equipment dealer, " said Paul Venn. "Our affiliation with Doosan also allows us to pursue the agricultural market and forestry markets with wheel loaders and specialty machines."

Doosan Infracore America Corporation, formerly known as Daewoo Heavy Industries America Corporation, services a large network of Doosan Daewoo dealers in North America from its headquarters in Suwanee, Georgia. Doosan Infracore America Corporation is responsible for all North American sales, service, and technical support for Doosan Daewoo heavy construction equipment and lift trucks.

Source: Doosan Infracore America Corporation



BIOREMEDIATION PIONEER JOINS ENVI-RONMENTAL STRATEGIES CONSULTING LLC

Scientist-businessman Stephen S.
Koenigsberg, Ph.D., who led the development of industry-leading bioremediation technologies now in wide use for cleaning up contaminated soil and groundwater, has joined Environmental Strategies Consulting LLC, the environmental consulting services subsidiary of Quanta Capital Holdings Ltd. as a partner and head of its new Irvine, CA office. Dr. Koenigsberg remains chairman of the Science Advisory Board at Regenesis (San Clemente, CA), the bioremediation products company he co-founded in 1994 as Regenesis Bioremediation Products.

At Environmental Strategies, Dr. Koenigsberg will focus on groundwater and soil remediation using conventional bioremediation and chemical oxidation technologies. He will also lead the firm's activities in environmental biotechnology and advanced chemical diagnostics. These are emerging areas that are poised to lead to dramatic time- and cost-saving advances in the evaluation, treatment and regulatory disposition of contaminated sites as well as for improving methods for prevention of environmental problems.

An active researcher and educator, Dr. Koenigsberg serves as an adjunct professor at the California State University at Fullerton and the University of California at Irvine.

Source: Environment Strategies Consulting LLC, Quanta Capital Holdings Ltd.

LANDSCAPE ONTARIO CONGRESS 2006

The International Horticultural Lawn and Garden Trade Show and Conference was held again in Toronto last January. This annual event brings professionals from a variety of related fields together to discuss trends and innovations and examine new and emergent technologies in non-agricultural horticulture.

A very significant component of this event was the "Landscape University", which brought together experts from across Canada and elsewhere to help participants hone their skills and add to their toolbox of solutions. Landscape Ontario, the event host, has placed particular emphasis on the importance of education in recent years.

InfraStructures covers your industry all across Canada

Consumers are looking for competent, knowledgeable people to formulate and implement solutions to their needs. This event provided ample opportunity for contractors to grow their expertise!

Equipment and attachment manufacturers and dealers also had some new and important products to discuss with participants. As well as the traditional brand names, there were several new comers hoping to discuss their innovations with the landscaping

industry. These included Changlin with a new range of construction and agricultural equipment, and also, Boxer and Kanga compact walk behind loaders and attachments had an impressive display.

Overall attendance was very strong as this event continues to expand its scope and influence upon the lawn and garden industry. This informative and enjoyable event should be marked upon your calendar for next year. (R.H.)



Concrete Operations Realize the Benefits of Using Tire Pressure Control System

Salma Kaida,
Tire Pressure Control International
www.tirepressurecontrol.com

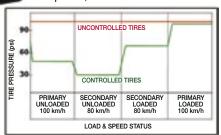
TPC International wants to revolutionize the way the concrete industry gets around;

and they are well on their way.
The company manufactures, assembles and distributes the TIREBOSS™
Tire Pressure
Control system, an electronic device

that allows truck operators the flexibility to optimize tire pressures from the truck cab while on the move. The technology, colloquially referred to as central tire inflation (CTI), differs from early versions as it not only allows for a reduction in tire pressure to suit

load and speed conditions, but allows the driver to re-inflate once conditions change.

Tire pressures are generally specified to permit a vehicle to carry a full payload at highway speeds without overheating its tires. Consequently, when the vehicle is partially loaded, unloaded, or travelling at reduced speeds, its tires are over inflated





APAO 2006 Health & Safety Seminar

This annual, two-day event was held at the Renaissance Toronto Airport Hotel recently, and was once again a record event. With an ever-growing line-up of vendor displays and note worthy presenters this year was not to be missed.

This conference is designed to equip delegates with the tools they need to ensure their workplaces are healthier, safer and more efficient and competitive.

Delegates return to their workplace armed with information and skills to



make their organization truly fit for business, regardless of size.

The seminars offered an excellent blend of first hand experience, critical updates and practical advice directly translatable to the modern quarry. Leading experts discussed specialty topics such as crushing efficiency, truck loading, risk management, fines recovery and electrical safety. Trend analysis and the direction of health and safety from the Ministry of Labour were informative and insightful.

Coupled with the Operations Tour and other events organized for members, the Aggregate Producers Association of Ontario continues to reflect the high caliber of its members and the state of the aggregate industry in Ontario. (R.H.) for the operating conditions.

TIREBOSS™ was initially introduced to the forest industry to assist them when hauling wood in remote areas. But, it has since been realized that anyone operating heavy vehicles in soft ground can reap the benefits that a longer tire footprint would provide. Increased mobility and traction, reduced road and site damage, extended tire life,

and a smoother ride are benefits whose effects are welcome across various applications. Currently, the concrete industry is successfully utilizing the technology on mixer trucks.

How can a concrete mixer get significant increase in the production of

the concrete hauling operation? According to Conley Jahna, operations manager of Jahna Concrete Inc., installing new TIREBOSS™ Tire Pressure Control systems on his trucks is one way to accomplish this.

Mr. Jahna says, "Since installing TIREBOSS™, we have realized many benefits to our Ready Mix Operations. We have been able to retain and land new customers because we can get into and out of job sites unassisted in tough conditions. with TIREBOSS™ because it improves their

Customers now request the trucks equipped productivity."



Like Jahna Concrete, Bill Nagy, vice president operations of Prestige/ AB Ready Mix, Inc., has also implemented the systems to enhance the company's competitiveness in the concrete market place. To date, he

has over a hundred trucks equipped with TIREBOSS™ Tire Pressure Control systems.

Mr. Nagy attests to the performance and advantage of the systems. According to him, trucks equipped with tire pressure control systems outperform 6X6 trucks, and he is realizing significant cost savings on tire replacements. He says, "Since the installation of TIREBOSS™, the tire bill has been reduced



by approximately 25%."

In Quebec, Demix has achieved great success with the TIREBOSS™ system. In 2005, a first phase will have made it possible to bring into service TIREBOSS™ systems on



concrete mixers without front-wheel drive (8X4) in Quebec, St-Jovite, Valleyfield and Richmond. According to Gaston Paradis, superintendent of the mobile equipment, "The TIREBOSS™ units outperform front-wheel drive configurations, particularly in sand and agricultural land." By promoting the use of vehicles with higher payload capacity, the TIREBOSS™ system represents a very advantageous alternative to front-wheel drive vehicles. For 2006, a second phase of implementation is already on with a greater number of vehicles and new divisions.

Controlling tire pressure provides remarkable mobility in extreme conditions. The results reduce overall operating costs and increase productivity of operations.

See how it can help you!

So Quiet, You Can Hear a Hitch Pin Drop

Softride, Inc. proudly introduces the QuietRideTM Tightening Hitch Pin with Lock, first in a new line of innovative products designed to make heavy equipment towing safer, quieter and more secure. The QuietRide eliminates the rattle and noise from loose fitting ball mounts

and safeguards your trailer and cargo by preventing removal of the ball mount from the receiver. This way, contractors and their crews can concentrate on their construction projects instead of worrying about their trailer or cargo.

It does not matter if you're towing an equipment trailer, a cement mixer, a generator or even another vehicle, the QuietRide's unique design will improve the towing experience and protect both tow vehicle and payload.

Designed for 2-in receivers, the Tightening Hitch Pin with Lock features a rubber cage that secures a nut inside the ball mount. A stainless steel bolt cinches the nut securely to the side of the receiver eliminating the "slop" found in most hitch designs.

The Tightening Hitch Pin with Lock also protects the vehicle's drive train and reduces stress on critical components such as the vehicle frame, receiver hitch, ball mount and trailer coupler.

The QuietRide

includes an integral lock for added security. Manufactured from stainless steel and brass, this lock has successfully passed the American Standard for Testing Materials (ASTM) B117 test.

Source: Softride, Inc.

New Series of Literature for AirMetrixSM Solutions

Sullair Corporation has released a new series of literature that details all AirMetrixSM solutions. The literature is designed to help plant managers identify ways to reduce the costs and improve the efficiency of their compressed air systems.

The sevenpiece, full-color literature series begins with a six-page overview of the AirMetrixSM program and how a "systems approach" to compressed air



systems offers opportunities to reduce waste, downtime, and lost productivity. The individual solutions, like AirTility™, have their own dedicated piece of literature that allows plant managers to learn how each AirMetrixSM solution offers cost and energy savings in different ways.

The AirMetrixSM series is available as a complete Information Kit, or as single pieces based on individual facility needs.

Sullair is a company of Hamilton Sundstrand, which is a division of the United Technologies Corporation. It is one of the world's leading compressor manufacturers, and is the only air compressor manufacturer to concentrate exclusively on rotary screw technology.

Source: Sullair Corporation

Sarlink® Gets KIWA Pipe Seal Approval

Sarlink® is the first Thermoplastic Elastomer to be approved for the KIWA BRL 2020 seal specification. After successful product develop-

ment, intense testing at DTE, and extensive tests by KIWA, the approval was given in December 2005.

The BRL 2020 specification is based on the European norm EN 681-2 and has been extended with severe elasticity and temperature demands. The specially developed Sarlink grade not only fulfills the BRL 2020, it also shows superior performance



in other important parameters related to pipe seal applications such as long-term stress relaxation.

Sander Ridder, DTE's market manager for Building & Construction, says: "Sarlink Thermoplastic Elastomers are especially suitable for waste water pipe seal applications because of excellent long term sealing performance and very good chemical resistance compared to typical thermoset rubbers. Furthermore design freedom and the possibility of co-injection moulding give seal and pipe producers opportunities to lower production and assembly costs. Sarlink can be recycled during the production process which will reduce scrap rates."

DSM Thermoplastic Elastomers produces Sarlink® thermoplastic vulcanizates, with production facilities in United States and Belgium.

Source: DSM Thermoplastic Elastomers

New Load Moment Indicator from Hirschmann

Hirschmann Automation and Control (PAT) has extended its product range with Hirschmann maestro, load moment indicator (LMI) upgrade. This new system consists of a central unit, console and a range of accessories. The Hirschmann maestro provides a user-friendly and cost-effective modernization of old PAT LMIs. The Hirschmann maestro was developed to modernize systems currently installed on boom trucks and hydraulic cranes thus providing the latest technology for these older cranes.

Retrofit of the Hirschmann maestro includes just four steps. The central unit is replaced with a compact unit designed

for easy installation in the operator's cab, console, and hydraulic pressure transducers. The original data and load chart information is then loaded into the central unit and, after a brief sensor alignment through the console, the crane is then ready for operation in just half a day, without needing to be re-calibrated. Ultimately, the original length and angle sensor, the A2B switch and the electrical wiring from the old LMI system can be utilized. The Hirschmann maestro also provides the option of incorporating wireless sensors into the LMI.

This ensures that modernization of an older PAT LMI with the Hirschmann maestro



is significantly more cost-effective and faster than any other alternative.

Source: Hirschmann Automation and Control Inc.

Save Steps with Rotary Lift Two-Post Lifts

Based on extensive customer input, Rotary has updated its popular two-post vehicle lifts equipped with inbay® technology. All Rotary Lift two-post lifts with inbay® feature dual controls (one on each post) now with technician-approved mechanical push buttons.

"Dual controls are more convenient for technicians and they increase productivity," explains Bob Ford, Rotary product manager. "We have found that technicians using Rotary Lift two-post lifts with dual controls save an average of 13 steps every time they want to raise or lower the lift, because they don't have to walk all the way around the vehicle. They can just use whichever control panel is closest."

Other features of inbay® include one-touch controls, integrated air/electrical connections, a standard OSHA-compliant lockable disconnect switch, and a power unit that is located at the top of the post, out of the way. Rotary Lift two-post lifts are available with both true symmetrical and true asymmetrical column orientations. Lift capacities range from 7 000 lbs. to 18 000 lbs., making it possible to service a wide range of vehicles, from passenger cars to commercial trucks. Rotary Lift two-post lifts can be ordered with two-stage arms equipped with threeposition adapters or with three-stage arms that increase the overall arm sweep and reach for lifting vehicles with unibody construction, visually marked pick-up points, wider tread width and lower profile or a wheelbase that is unusually short or long.

Three-stage arms use polymer adapters to prevent metal-on-metal contact, thus protecting the vehicle's pick-up points.

Most Rotary Lift two-post lifts are ETL tested and certified by the Automotive Lift Institute (ALI) to meet or exceed ANSI standards. They are built with Rotary's patented "Double S" single-piece construction column design to maximize column strength as well as the surface contact area of the self-lubricating slider bearing blocks. Unlike most other lifts, Rotary Lift power units are designed and built by Rotary in the United States, specifically for Rotary lifts. Other

manufacturers use third-party power units designed for universal applications.

Based in Madison, Indiana, Rotary is the



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world leader in service bay productivity and lift systems manufacturing. The company provides its customers with a competitive advantage by combining the real-world needs of technicians with new, innovative productivity tools and solutions. The result enables technicians to get more done and drive more profit to the bottom line.

Rotary is also recognized as the only North American lift manufacturer certified to ISO9001 quality standards. Rotary is a subsidiary of the Dover Corporation.

Source: Rotary Lift

A Balanced Three Wheeled Roller Shown at World of Asphalt 2006



Sakai's R2H, a balanced three-wheel roller will be shown for the first time at World of Asphalt 2006 in Orlando, Florida.

Although vibration has been king on a majority of asphalt compaction jobs for the past thirty years, static can still be put to good use on any number of chores such as thin lift overlays or city streets built over fragile infrastructure. For these tasks and others, static compaction is still the norm. But to meet today's "I want it faster, smoother, more dense and cheaper" attitudes, the old static rollers just don't cut it.

This new, 83-inch-wide machine, on the other hand, blends the key benefits of the old three-wheel and tandem rollers into a new concept in static compaction – the balanced three-wheeler. Sakai engineers combined the force and traction characteristics of the tandem roller with a few new wrinkles gleaned from their high-tech vibratory line, rolling a whole bunch of compaction talent into one.

In order to grasp what is good about the new concept, let's see what was bad about the old: First, the guide roll on the older models was for just that: steering. It had no traction purpose and the compaction effect pli of that roll was about 30% of the two larger diameter wheels. This meant to get equal coverage, you had to basically compact with these two bigger wheels, resulting in a nightmare of a rolling pattern.

Looking from the asphalt's pointof-view, we would like our density, and thus the compaction effort providing that density, to be even across the mat. If not, it is penalty time by today's tough standards. If the operator is not real good and real careful, densities could become very helter-skelter across the mat. Sakai's new three-wheeler incorporates three equal diameter drums which means equal force per linear inch across the compaction width. The R2H develops 365 pounds of force per linear inch across its 83-inch rolling width. All else being equal, this means equal density across the rolling width of the machine. Other big plusses include the ability to add water ballast to vary the output force (pli) across each drum enabling the machine to work on thicker lifts or even soil compaction jobs.

The smaller guide roll of the old threewheeler was not for traction. Thus it was not driven. Non-driven rolls or drums tend to shove the mix forward, creating a bow wave out front which can lead to transverse cracking. The smaller diameter of the older models also meant a sharper approach angle to the material which amplified shoving of the mix.

Sakai's R2H not only improves traction and gradability, but that torque helps pull the mix under all three drums for blemish-free compaction. The flatter approach angle of the larger diameter drum decreases rolling resistance so that the drum can roll over the mix rather than push it. This lesser angle also means more drum surface contact with the



mix, extremely important to the compaction of unstable mixes.

And like the drums of Sakai's vibratory asphalt rollers, the balanced three-wheeler's drums are machined for perfect concentricity leading to a perfectly smooth finish. Drum edges are rounded so as not to mark the mat.

Steering plays a very important role in compaction. Center-point articulated steering techniques first employed in double drum vibratory rollers and now in the newer balanced three-wheeler, ensure tracking.

That is, the single center drum follows the outer drums wherever they go. This precise tracking, combined with a built-in drum overlap, means even coverage and compaction effort no matter where the machine goes. This is a big plus when changing lanes in the pattern and compacting around curves or cul-de-sacs.

And it knows how to pinch a longitudinal





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joint. With the two leading outer drums straddling the joint and in essence providing two compacted edges, material movement under the following center drum will be in a downward direction for an extremely impermeable joint.

It also does a nice job on vibration-sensitive areas like bridge decks and city streets. For large parking areas that do not have to meet high mainline paving densities, the balanced three-wheeler can work by itself.

With all this versatility and field-proven cost-effectivity one would think this new concept destined for today's hot rental market, too. "It's coming," claims Dave Brown, vice president of sales and marketing for Sakai. "We're seeing the leading edge of that now. Once these rental houses see that this is an easy-to-use, maintenance-free profit maker, we expect they'll be adding it to their fleets."

Sakai engineers have breathed life into a tried and true concept with balanced three-wheeler designs that get a lot of different jobs done, cost-effectively, for busy asphalt paving contractors.

Source: Sakai America

RustGard™ UV Coating Extends Brake Shoe and Lining Life

New RustGard™ UV brake shoe coating from Carlisle/Altec solves the problem of rust-jacking and premature truck brake lining failure due to rusting brake shoes. Rust-jacking is caused by corrosive materials sprayed on highways to address slippery road conditions, typically magnesium chloride, calcium chloride, and road salt. Lab and field tests have proven remanufactured brake shoes with RustGard UV coating to be extremely resistant to chemical, heat, and water exposure.

In order to validate RustGard's performance, Carlisle conducted extensive testing in accordance with ASTM B-117, salt spray test. These tests

indicate that brake shoes without linings and coated with industry-standard paint had 50% surface rusting after only 24 hours of exposure, as compared to RustGard-coated/painted shoes which had less than 10% surface rusting after 250 hours of exposure. Tests conducted on brake shoes with linings yielded similar results. Shoes with industry-standard paint coating had 50% surface rusting with deep pitting after 170 hours of exposure, whereas RustGard-coated/painted shoes had less than 10% surface rusting after 1450 hours of exposure.

Additional testing showed that RustGard withstands temperatures up to 500°F for six hours without affecting performance. RustGard also passed the 100 MEK (methyl ethyl keytone) double resistance chemical test.

Source: Carlisle Motion Control Industries, Inc.



ECOPATH to Showcase Asphalt Rubber Blending Plants at World of Asphalt 2006

ECOPATH™, a member of the STRATCO Global family of companies headquartered in Scottsdale, Arizona, has attracted worldwide recognition and interest through its custom-designed asphalt rubber blending plants and leading-edge, field proven technologies. ECOPATH will be exhibiting their innovative and environmentally sound product line at the World of Asphalt 2006 Show & Conference in Orlando, Florida.

"Attending the World of Asphalt 2006 show offers us an incredible opportunity to educate contractors and road maintenance companies about the exceptional benefits of using ECOPATH rubberized asphalt," said Diane Graham, president of STRATCO Global. "It's the right choice for any area requiring durable pavement, such as highways, roads and runways."

In fact, asphalt rubber is far more resilient than traditional materials, resisting cracking and potholing due to temperature extremes and other stressors, making it ideal for a wide variety of climates.

ECOPATH asphalt rubber also provides

noise reduction and is an environmentally responsible choice. Each year, millions of rubber tires are discarded worldwide. Through

ECOPATH, this environmental waste is recycled. Roads become quieter, more durable and safer, mak-

ing it a popular choice with the public.

"The durability of the asphalt rubber blends developed through ECOPATH also offers long-term savings for construction," Graham continued, "as far less maintenance is required. On average, an ECOPATH surface will last nearly twice as long as traditional paving materials, under a variety of load conditions."

ECOPATH's custom designed, highly versatile and durable asphalt rubber blending plants are compatible with any asphalt hotmix plant. Its computer controlled blending

systems consistently produce high quality homogenous asphalt rubber binder, at a field verified rate of up to 45 t/h. Flexible design



options allow for the production of polymermodified asphalt, dry process rubberized asphalt and combination polymer/rubber modified asphalt.

ECOPATH technologies and blending units are currently in use across the Western United States, as well as internationally. ECOPATH technologies are being used to pave in Russia, specifically the Surgut region of Siberia, as well as Spain, and a growing number of European countries.

Source: STRATCO Global

CONEXPO Asia 2006 Will Feature Equipment Demonstrations and Comprehensive Education Program

CONEXPO Asia 2006 will feature hands-on equipment demonstrations and an extensive educational program to help attendees enhance their industry knowledge and improve job productivity.

Industry best practices and the latest techniques will be presented by experts from the United States, China and around the world. "The goal is to provide Chinese and Asia-Pacific construction industry professionals with a unique, quality learning experience," explains Show Manager Petra Kaiser of show producer, the Association of Equipment Manufacturers (AEM).

More than 30 educational sessions will be conducted at CONEXPO Asia 2006, each offered in Chinese and English. Topics include new techniques in recycling of concrete, asphalt and other construction materials; distribution and rental issues; workforce management; road building technologies and opportunities; compaction applications; quality joints and density basics; construction software and machine automation; and construction project management, planning and scheduling.

Presenters include the Associated Equipment Distributors Foundation, the Kimmel School of Construction Management at Western Carolina University (North Carolina), the Transport Technology Exchange Center of China Academy of Transportation Sciences/Ministry of Communication and the Construction Materials Recycling Association.

Companies lending their expertise include Caterpillar, Case Construction, Ditch Witch, Potain, Shanghai Universal Equipment, Trimble Navigation, Topcon and Vermeer.

Equipment demonstrations will follow several of the seminars to extend the classroom learning. Attendees will be able to operate the machines to experience their capabilities and learn how the machines can be used most efficiently on the job site.



CONEXPO Asia 2006 also offers the Chinese and Asia-Pacific marketplace exhibits of the latest innovations in construction-related equipment, products and services. Exhibitors include leading North American, Chinese and European companies.

CONEXPO Asia 2006 will be held May 15-18, 2006 at the China National Agricultural Exhibition Center in Beijing, China.

Source: Association of Equipment Manufacturers

Sterling Unveiled its New Low Cab-Over-Engine Model at NTEA Work Truck Show 2006

Sterling Truck Corporation unveiled an exciting addition to its product lineup at National Truck Equipment Association's Work Truck Show in Atlanta. Introducing a new low cab-over-engine truck, Sterling is the only truck OEM in the industry to offer a full line of Class 3-8 commercial vehicles.

"The new low cab-over-engine truck is an exciting addition to the Sterling brand as we strive to provide our customers with a comprehensive offering for their trucking needs," said Chris Patterson, president and CEO of the Freightliner group.

The truck is available with a 4,9 I diesel engine, six-speed automatic transmission, and up to five wheelbases to accommodate 12- to 20-ft bodies. Additionally, the vehicle comes standard with comfort features like air conditioning and is available in five different colors.

Ideal for applications such as wholesale and retail services, pickup and delivery, landscaping, and construction applications, the new Sterling truck features outstanding maneuvrability, low maintenance requirements, and a modern and comfortable cab with the easiest entry and egress in the industry.

of this new truck, we have achieved Sterling's vision of being a full-line provider of vocational trucks," said Mr. Patterson. "Not only is this a logical next step in the growth of the company, but it also provides a platform for future product introductions."

Sterling already is well-positioned in the medium- and heavy-duty market with its three conventional models - the A-Line, L-Line, and the

Acterra - plus the Class 6-7 cab-over Cargo. With a wide array of vocational applications from on-highway LTL and regional haul to construction and refuse, Sterling's hard-working trucks are distinguished by outstanding dependability, performance, and

Sterling Truck Corporation, based in

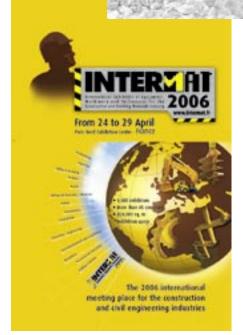
Redford, Michigan, produces heavy and medium-duty custom work trucks for regional



hauling and diverse vocational applications. Sterling is a member of the Freightliner group of companies. Freightliner is a subsidiary of DaimlerChrysler, the world's leading commercial vehicle manufacturer.

Source: Sterling Truck Corporation

Intermat 2006, An Event Not To Be Missed. In Paris, April 24 - 29



Extec Screens & Crushers Ltd will be taking the opportunity to exhibit their C series jaw crushers, Impactor, S-5 Doublescreen and E-7 screener, along with a mysterious new guest that is set to send shock waves through the crushing and screening world.



With a revolutionary technical design that has set the standard for today's mobile crushing equipment, the C-10 and C-12 unite the experience and merits of a globally successful engineering team. With unrivalled performance parameters, the C-10 and C-12 are proven contributors to literally thousands of companies' profitability worldwide.

The S-5 Doublescreen has truly proven its worth in the quarrying, recycling and reclamation of construction/demolition materials industries. This is due to the sophisticated technology and the high degree of customer orientation, which is recognized and felt

through the design of the machine. The split drive interangling Doublescreen system is right out at the frontier of efficient screening of the most difficult materials. The split screening facility enables the first screen box to be used as a fines extractor, while the second box operates as a grader, giving the most specific grading of products for any mobile system on the market.

Extec will also be showing their large, heavy-duty tracked Impactor and E-7 screen, a heavy-duty track-mounted, self-propelled open flow screening and stock piling system.

Extec Screens & Crushers Ltd

INTERM AL

Hall 4 Stand J070

AUSA (Automóviles Utilitarios S.A.) is starting 2006 at top speed. The launch of its two new backhoe loaders, RC3 and RC5, has stirred up interest in the sector. They are characterized by their dimensions, pull-up strength, modern and compact design, and safety elements.



The launch of RC3 and RC5 complete AUSA's already wide range of earthmoving machinery, handling equipment, and multifunction vehicles.

AUSA (Automóviles Utilitarios S.A.)

Exterior area E6

HINOWA S.p.A. will be displaying its new LightLift 19.65 small tracked aerial platform.

This year Hinowa will also be participating in the competition for technical novelties with a new tracked aerial platform.

The LightLift 19.65 has a maximum operating height of 19 m, and a maximum outreach of 6.5 m. The small machine weighs in at 2000 kg, and measures only 786 mm in width

when closed. The kinematic motion of the LightLift 19.65 has been designed to enable the four arms to move in pairs, thus achieving



the highest performance in the category: maximum operating height and ability to operate on vertical walls with machine in an orthogonal position, with no need to use the telescopic arm controls. The presence of a rotating cage facilitates operations on vertical walls even when the machine is set in a parallel position.

HINOWA S.p.A.

INTERM AL

Hall 5A Stand H051

First Russians at Intermat! This year, the group of companies JSC Promtractor will be the first representative of Russian Industry taking part in the international exhibition "Intermat".



Bulldozers and pipelayers, sold under the Chetra brand, are used in harsh climatic conditions, from tropical rains to siberian colds, in the mining and petroleum industries.

At Intermat, the Russians will present their bulldozers, pipelayers, and the technological capacities of their foundry.

Promtractor

INTERM AL

Hall 3 Stand

25 Years Providing Export-Marketing Services for Canadian Mining Suppliers

A group of Canadian mining suppliers were sitting around the swimming pool of their hotel in Lima, Peru in 1981, when they realized that there were things they could do together to benefit all in marketing to the global mining industry. This realization was the moment of conception of OMESE – Ontario Mining

Equipment and Services for Export, which was formally founded after their return to Canada, and led to the national association, CAMESE, five years later.

During the first decade, the membership grew, but never passed 40 companies. However, in 1993 a program was undertaken that



resulted in growth to 100 members by early 1994. Then, CAMESE set out to vastly improve services to members, such as newsletters, exhibition pavilions and marketing advice. Now CAMESE boasts more than 250 member firms.

A strategy was also developed to try to raise government financial support to about 15% of revenues, in order to make the association's export marketing services high quality and viable over the long term. CAMESE's first partner was Ontario's Ministry of Northern Development and Mines, followed by the federal Department of Foreign Affairs and International Trade. While the Ontario program has ended, International Trade Canada still provides annual support of about 5% of CAMESE's budget.

Over the period from 1995 to present, CAMESE has organized Canadian participation at 99 international mining events. These have involved 1723 supplier booths, 1778 posters shown in CAMESE booths and 7828 business leads reported back to members as a result of posters shown. A total of nearly 45 000 CAMESE source books called the Compendium of Canadian Mining Suppliers have been given out at these events.

The CAMESE Compendium has been developed into a first-class, cost-effective means for Canadian mining suppliers to gain exposure in the Canadian and international markets. In the last few years, traffic on the association's web site at www.camese.org has grown by leaps and bounds. In 2005, 383 248 user sessions led to over 1,9 million page views, 61% of which were on member profiles and 160 915 were related to connecting with member web sites or e-mail.

Every time CAMESE mounts a Canada Pavilion at a mining exhibition; every time they produce a new CAMESE Compendium, or report increased traffic on their web site; every time they advocate to government for the mining industry and its suppliers, or every time that they pass business leads along to members, credit goes to the goal of that group in Lima in 1981: "to do things together for the cost-effective benefit of all."

Indeed, over the first 25 years, CAMESE has had great success. It stands among the very best export trade associations of all sectors in Canada and at the top of mining supplier associations in the world.

Source: CAMESE, www.camese.org

Appointments

Carol Murray, president and CEO of **Power Tech Corporation Inc.**, is pleased to announce the appointment of **Yves Sicotte** to the position of vice president, sales and marketing of the company. This appointment is effective immediately. In this role, Mr. Sicotte succeeds Richard Hélie, who, as a sales and marketing consultant, held this position over the last 15 months.

Yves Sicotte has more than 20 years experience in the business world with industrial and heavy machinery companies involved in construction, mining, forestry and public utilities North America-wide.

Before joining PowerTech, Mr. Sicotte was a private sales and marketing consultant for several large manufacturing companies. He also worked as business development manager for Bombardier Recreational Products' ATV division. In addition, he has worked with a large forestry equipment manufacturer as corporate marketing manager for the North American market.

Source: Power Tech Corporation Inc.

Manitowoc Crane Group
has appointed Raman Joshi
to its senior management team
as global product manager for
the Manitowoc range of crawler
cranes. Mr. Joshi reports directly
to Larry Bryce, vice president
of worldwide marketing, and is
responsible for global strategic
direction for the complete
Manitowoc product line.



His duties include overseeing strategy, alliances, acquisitions, and financial performance, as well as tactical execution of business plans. Raman will be working closely with Manitowoc's sales, marketing, engineering, and manufacturing locations around the world, and will be an important figure within the branded crawler crane product lines.

Raman Joshi is based at the Manitowoc Crane Group facility in Manitowoc, Wisconsin. He brings with him over 13 years of engineering, sales, and marketing experience. He most recently served as US sales and marketing manager for the NSK Corporation – a US subsidiary of Japanese company, NSK Ltd. – one of the world's largest bearing manufacturers. Prior to NSK, he spent four years working in Osaka, Japan as an overseas project manager for a machine tool manufacturing company.

Raman Joshi holds Bachelor's of Science and Masters degrees in mechanical engineering. He also has an MBA from University of Michigan, Ann Arbor, and is fluent in three languages, Hindi, English, and Japanese.

Source: Manitowoc Crane Group



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SUNDAY, MAY 28 2 Annual C.F.M.S. Golf Tournament

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MONDAY, MAY 29 New Products for 2006

The 2007 Emission Engines Specification Reviewed by Industry Manufacturers

Hands On Training
Carlisle Motion
Telflex - ProHeat
Sternco LP
MD Alignment
Roadranger
SKF
CPL
A.L.S. Vogel
Howard Martin Co.

Corrosion Maintenance and Prevention Care

Auxiliary Heating/Cooling Systems to Eliminate Idling

TUESDAY, MAY 30 Load Securement

Tire Management

Obtaining Proper Aftermarket Parts and Services

WEDNESDAY, MAY 31

Concurrent Panels
Municipality - Medium Duty
Concrete and Construction
Bulk Trailers and Carriers
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Register online NCW and join us May 28 to 31, 2006. I look forward to your attendance at one of the best Reet Maintenance events in North America.

Yours sincerely, Rod Henderson, General Manager, Canadian Reet Maintenance Seminar www.cfmsonline.com









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Agenda

World of Asphalt Show & Conference March 13 - 16, 2006 Orlando, FL USA



BTP expo 2006 (International Building & Public Works Show) March 22 - 25, 2006 Casablanca, Moroco

XII International Winter Road Cong

March 27 - 30, 2006 Torino - Sestriere, Italy

Atlantic Heavy Equipment Show

April 6 - April 7, 2006 Moncton, NB Canada

TRUCK WORLD 2006

April 20 - 22, 2006 Toronto, ON Canada

2006 North American Truck Show April 20 - April 22, 2006 Boston, MA USA

Intermat 2006

April 24 - 29, 2006 Paris, France



11th International Building Fair April 25 - 29, 2006 Berno, Czech Republic

APWA North American Snow Conference

April 30 - May 3, 2006 Peoria, IL USA

CONEXPO ASIA May 16 - 19, 2006 Beijing, China

43rd Canadian Fleet Maintenance SeminarMay 28 - 31, 2006 Toronto, ON Canada

10th International Conference on Asphalt Pavement

August 12-17, 2006 Quebec City, QC Canada

7th International Conference on Short and Medium Span

August 23 - 25, 2006 Montreal, QC Canada

SIVIC - International Industrial Vehicle & Body Trade Show

August 29 - September 1, 2006 Saint-Jean-sur-Richelieu, QC Canada

EXPO Grands Travaux 2006

September 22 - 23, 2006 Montreal, QC Canada



INTEROUTE 2006

October 24 - 26, 2006 Rennes, France

North American Quarry & Recycling Show October 26 - 28, 2006 Atlanta, GA USA

Bauma China 2006

November 14 - 17, 2006 Shanghai, China

National Heavy Equipment Show 2007 March 22 - 23, 2007 Toronto, ON Canada

Bauma 2007 April 23 - 29, 2007 Munich, Germany



Salon CAM-Logique

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