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A Brief Word...

Here we are with the days growing shorter and Thanksgiving marking the absolute end of summer, regardless of how enthusiastic you may be.

Do you recall the anxiety of last year? It certainly could have been worse had the oracles been accurate. So what lay ahead? If you really want an insight into that question you've come to the right source.

Like many of the tools you rely upon, InfraStructures is here yet again with the type of industry information you are looking for. You may also notice that our content is flourishing, in no small part due to the close links we cultivate with people like you.

At a time when some publications are withering on the vine like autumn leaves, InfraStructures is blossoming like a spring flower. We certainly won't be looking for a quiet place to hibernate. With winter maintenance season blowing in, there will be plenty of new and interesting things we shall be reporting to you.

As you prepare your hearth for a warm and comforting fire, take to your favourite chair and plug in to InfraStructures to keep you informed about the things that go bump in your industry's night!

BOO!



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On the cover:

A Terex/Cedarapids CR562 paver is used by Pavages Masko Inc. on the autoroute 10 in Quebec's Eastern townships. With its Fastach 10 table, extendable to 9,75 m, it can pave two lanes and the left shoulder in one pass, eliminating unwanted joints.

AECOM ACQUIRES LIM AND NASCIMENTO (LAN) ENGINEERING CORPORATION

AECOM Technology Corporation, a leading provider of professional technical and management support services for government and commercial clients around the world, announced recently that it has acquired LAN Engineering of California.

LAN Engineering is a civil and structural engineering firm based in California that specializes in transportation infrastructure.

Its services include program/project management, design development and construction management for freeways, interchanges, highways, railroad grade separations, and transit/rail infrastructure. The acquisition of LAN strengthens AECOM's transportation practice.

"LAN's construction-management and design expertise enhances AECOM's leadership position in the transportation market," said John M. Dionisio, AECOM president and

chief executive officer. "We look forward to the new opportunities that we will pursue with LAN onboard, and we welcome LAN staff into the AECOM family."

Peter Lim, LAN chief executive officer, noted that joining AECOM will expand LAN's network of expertise as well as its geographic reach. "In joining AECOM, we are able to offer our clients a more comprehensive suite of services. Additionally, by joining the number-one transportation firm in the country, we are able to expand our reach," said Mr. Lim.

LAN president and CFO William Nascimento added that this transaction will also benefit LAN employees. "This evolution of our business is very exciting for our employees. By joining AECOM, and its global network of expertise, our staff has increased opportunities to develop their careers and work on an exciting array of projects."

D.A. Davidson served as financial advisor to LAN for the transaction.

Source: AECOM Technology Corporation

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PROCEQ OF SWITZERLAND ACQUIRES CNS FARNELL

Proceq SA of Switzerland, maker of portable precision instruments for quality testing of concrete, metal and paper/film rolls in the construction, manufacturing and engineering consulting industries, has acquired 100% interest in U.K.-based CNS Farnell Ltd. CNS Farnell manufactures quality-testing products that are complementary to Proceq's offerings.

Proceq and CNS Farnell are world-leading brands and the acquisition of CNS Farnell will further strengthen Proceq's position as a global leader in the development and supply of quality testing instruments. CNS Farnell has an excellent reputation, built up in part by innovative products such as Pundit, which uses ultrasonic testing technology to detect cracks and other defects in concrete.

CNS Farnell customers will automatically benefit from Proceq's prompt customer service and widespread distribution network. Proceq has own subsidiaries in Switzerland, the United States, Singapore, China, United Arab Emirates, Brazil and Russia.

Source: Proceq SA

NAVISTAR AND CATERPILLAR ANNOUNCE GLOBAL TRUCK JOINT VENTURE

Navistar International Corporation and Caterpillar Inc. closed a joint venture transaction resulting in a new company, NC² Global LLC, to serve the global commercial truck market. Navistar and Caterpillar first announced plans

to form a joint venture in June 2008 and have identified the leadership team of the new entity that will establish its headquarters in the Chicago area.

As previously announced, the 50/50 joint venture will develop, manufacture, and distribute commercial trucks with an initial focus on markets including Australia, Brazil, China, Russia, South Africa, and Turkey. NC2's product line will feature both conventional and cab-over truck designs and will be sold under both the CAT and International (Navistar) brands.

Separately, Navistar and Caterpillar continue to work on design and development of a new proprietary, purpose-built, heavy-duty CAT vocational truck for the North American market. The trucks, manufactured in Navistar's Garland, Texas facility, will be sold and serviced through the CAT North American Dealer network. Caterpillar vocational trucks are scheduled for full production in mid 2011.

Source: Navistar International Corporation, Caterpillar Inc.

FEDERAL SIGNAL APPOINTS GARY TOOTHE AS MANAGER OF NEW TRAINING PROGRAM

Federal Signal Environmental Solutions Group has appointed Gary Toothe as training program manager for the company's newly developed training initiative. In this role, Mr. Toothe will lead the creation, implementation and dissemination of all training initiatives for the industrial, construction and utility market segments serviced through FS Solutions, a resource for used equipment sales and service, parts and rentals.

He will also facilitate training on operation, safety, supervision, management and sales to industrial cleaning contractors through their nearest FS Solutions Center. Training on these topics will be available via DVD and online.

"Bringing Gary's knowledge and skill to this new training initiative will have a significant impact on the success of industrial cleaning contractors across North America," said Tony Fuller, director of sales, Federal Signal Environmental Solutions Group. "Being able to train our customers on the correct use of equipment, as well as the sales and management skills they need, spells success for everyone involved."

"The importance of training to people who make their living operating vacuum trucks and waterblasters simply can't be measured," said Gary Toothe. "Safety and best practices have always been an integral part of the FS

Solutions mission and I'm proud to be a part of this organization."

Mr. Toothe brings 25 years of experience in the industrial cleaning market segment to Federal Signal's Environmental Solutions Group. Known in the industry for his training efforts, Gary Toothe was this year's recipient of the WJTA Safety Award for his contribution to the waterblast and industrial vacuum industry. A certified environmental, safety and health trainer and a certified instructional

technologist, Mr. Toothe is also a member of the National Safety Council; the American Society for Training and Development; the National Environmental, Safety and Health Training Association; and Project Safe Georgia.

Source: Federal Signal Corporation

Consultants F. Drapeau appointed Link-Belt crane distributor in Quebec

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appointed an authorized Link-Belt crane distributor for the entire province of Quebec, Canada. Brax Snyder, manager, Worldwide Sales, Link-Belt Construction Equipment Co. made the announcement at Link-Belt's headquarters in Lexington, Kentucky.

François Drapeau founded this equipment business in the late 1970's. Since then, he has established a tradition of quality service by listening to customers and tailoring products and services to their needs. Consultants

F. Drapeau will serve Link-Belt customers from branches in Saint-Mathieu-de-Beloeil and Terrebonne.

"Drapeau's long-standing tradition of quality service means that Link-Belt customers in Quebec will receive the best possible support," said Mr. Snyder. "We look forward to a close relationship with them and their customers."

Source: Link-Belt Construction Equipment Company

SELICK EQUIPMENT LIMITED MARKS THEIR 40TH ANNIVERSARY!

Originally started in 1969, Walter Sellick along with sons Howard and David modified an industrial Ford tractor into a 2700 kg forklift for outdoor use.

From the tractor conversion, an integral one-piece frame concept was introduced in the 70's and the Ford tractor powertrain was retained as the basic power module for most models.

This new rugged design and breadth of line (2250 to 3600 kg, 2- and 4-wheel drive) paved the way to increased sales throughout the 80's which also saw a new component designed series featuring new engines, shift-on-the-go transmissions and the SeeThru roller mast on the SD and low profile SG series plus a 4500 and 5500 kg capacity SD series was introduced.

The 90's saw the introduction of the Truck Mounted Forklift, which gave companies a complete delivery system offering them the opportunity to save valuable cargo space on the truck and delivering the payload directly on the job site. In 1997, Sellick Equipment became part of Avis Industrial Corporation.

In recent years a new generation of forklifts has been introduced featuring enhanced ergonomics, environmentally friendly diesel engines and increased lift capacities. The Sellick product line consists of the flagship S Series, the low profile SLP, the S160 (7250 kg capacity with 4-wheel drive and 4-wheel steer), the STT80 (a rough terrain tow forklift) and the STM Series of truck mounted forklifts.

Over the years Sellick Equipment has had manufacturing and distribution agreements for many prestigious companies including John Deere, International Harvester, JCB, Kawasaki and Kubota.

Currently, there are over 10 000 Sellick machines in the field which are serviced by an extensive North American dealer network consisting of 230 locations.

Source: Sellick Equipment Limited

NEW AMMANN PARTS WAREHOUSE IN EDMONTON

Contractors and equipment dealers will now have a Canadian-based source of service and repair parts for Ammann compaction equipment. Peter Price, the Ammann Area sales manager in Canada, announced that Swiss-based Ammann Machines Division has entered into a cooperative agreement with its Alberta distributor, Williamson Equipment, to operate a service parts warehouse at





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Williamson's Edmonton location.

The warehouse operation officially opened on July 1st this year with more than 500 000 service and repair parts in stock. New staff and a computerized inventory system are in place to manage orders and stocking levels.

With the opening of the Edmonton facility, Canadian customers will no longer have to order parts directly from Ammann in Switzerland. Parts from all four Ammann factories will be consolidated in the Canadian location, eliminating the time and expense of overseas freight. All parts orders are priced in Canadian currency and shipped FOB Edmonton. "Eliminating the time zone difference from Europe will be a great convenience here," Mr. Price said. "Our Edmonton staff will be fully versed in our products and local inventories, so customers can get knowledgeable parts support quickly."

The warehouse will provide wholesale parts to Ammann dealers throughout Canada and to former customers of Ammann America. The Williamson facility will also provide direct retail service for parts to users of Ammann equipment in Alberta and the United States.

Source: Ammann Canada

DAIMLER TRUCKS NORTH AMERICA TO PROMOTE ALTERNATIVE DRIVE SYSTEM TECHNOLOGIES

Daimler Trucks North America (DTNA) will participate in the U.S. Department of Energy (DOE) Clean Cities program for the production and sale of more than 600 trucks equipped with hybrid and natural-gas drive systems. DTNA will participate in at least seven program awards representing \$35 million in funding to be applied toward the purchase and support of 638 hybrid and alternative fuel vehicles by several leading national fleet operators.

The \$100 million program is designed to encourage fleet operators to adopt clean, fuel-efficient diesel and alternative energy technologies that will create new jobs, stimulate the economy, and help reduce U.S. dependence on foreign oil.

The trucks include Freightliner Business Class M2e 106 hybrid electric trucks and tractors, and Freightliner Business Class M2 112 natural-gas (CNG and LNG). Also in the program are chassis manufactured by Freightliner Chassis Corporation for hybrid electric, hydraulic hybrid and natural gas-powered walk-in vans.

Source: Daimler AG

OIL SANDS PIPELINE APPROVAL FROM CANADA INTO THE U.S.

Cobra Oil & Gas Company is pleased to notify an approval by the Obama administration for a pipeline to carry oil-sands fuel from Canada into the U.S., sending a positive economic signal in a difficult economic period. The 1600 km-long pipeline is designed to carry up to 800 000 bbl/d from Canada's vast oil sands.

Enbridge Energy will take on the building of the pipeline as the U.S. aims to diversify oil supplies coming into the country and increase crude oil supplies from a major non-Organization of Petroleum Exporting Countries producer while shortening the transportation path for crude oil supplies.

"As the United States looks for more diverse oil supplies for domestic use, the Oil Sands will consequently gain importance," stated Max Pozzoni, Cobra's president. "The enormous oil sands potential within North America will help diminish the reliance on overseas oil."

Cobra is currently finalizing the purchase of 40% contract interest on 23 Federal Leases covering 13610 ha within the P.R. Spring deposit in Uintah County, Utah. Adjacent to the Utah oil sands prospect, Cobra also acquired a 37.5% working interest covering 640 acres, along with a 62.5% working interest on an additional 260 ha.

Source: Cobra Oil & Gas Co.

New Patented Cylinder Liner and Engine Overhaul Kits for Detroit Diesel® Series 60 from IPD

IPD is introducing its first engine overhaul products for the popular Detroit Diesel® Series 60 engine with two-piece articulated steel crown / aluminum skirt pistons. This new release utilizes the IPD patented cylinder liner with a parabolic cooling groove.

IPD is known as one of the innovators in the diesel and natural gas engine aftermarket and has a strong history of providing a full range of replacement and overhaul parts for Caterpillar® engines.

Now, as the company expands its offering to include parts for Detroit Diesel® engines, Bob Straw, IPD's vice president of Sales and Marketing comments, "We feel this liner design utilizing our patented groove allows for the cooling necessary while maintaining the flange integrity that is needed in today's high horsepower applications."

Mr. Straw continues, "This is just a continuation of the innovation that IPD has invested in over many years. As an example, IPD was the first in the aftermarket with our IPDSteel® patented steel crown pistons for Caterpillar® applications as far back as six years ago, so this is a natural extension of that expertise. The Detroit Diesel® Series 60 gives IPD and our Distributors additional market opportunities and the most well rounded offering of newer model overhaul engine kits in the aftermarket."

IPD has been manufacturing high quality diesel and natural gas components since 1955 and is ISO9001:2000 certified. IPD is a business unit of Storm Industries Inc.

Source: IPD LLC



Caterpillar® and CAT® are registered trademarks of Caterpillar, Inc. Detroit Diesel® is a registered trademark of Detroit Diesel Corporation.

IRONPLANET EXCEEDS HALF A MILLION USERS WORLDWIDE

IronPlanet®, the world's leading online auction company for used construction and agricultural equipment, has reached a milestone in the company's history surpassing more than half a million users who have registered to view equipment for sale and participate in online auctions at IronPlanet.com. Weekly IronPlanet auctions are now averaging more than 15 000 attendees, making IronPlanet the most popular auction site in the industry.

IronPlanet offers buyers and sellers a secure, hassle-free way to move used and new equipment. It is this detailed level of service that has IronPlanet's potential buyers and sellers growing rapidly at a pace of more than 10 000 new users each month as the global awareness of IronPlanet continues to increase.

IronPlanet online auctions offer a wide range of used and new equipment for the construction, agriculture and transportation industries. Users can search thousands of items around the world and view the comprehensive inspection. IronPlanet's in-depth inspection reports include equipment details and more than 50 photos of the machine, from general appearance through oil sample analysis. IronPlanet guarantees the report is an accurate representation of the equipment's condition.

IronPlanet customers have sold more than \$1 billion of used equipment through IronPlanet online auctions. Sellers who consign equipment to IronPlanet can turn their equipment into cash in four to five weeks, from consignment to payment. IronPlanet makes it easy for sellers to auction off equipment via the internet thus eliminating transportation costs. And by doing so, IronPlanet auctions reach buyers around the world through its global marketing efforts. Equipment sold through IronPlanet auctions achieves better price realization with each item averaging more than 15 bids through its broad worldwide audience participation.

Source: IronPlanet

LEICA GEOSYSTEMS ANNOUNCES A NEW GENERATION MEASUREMENT SYSTEM

Leica Viva is a new generation measurement system that combines the latest state-of-the-art technologies into an unrivalled portfolio of total stations, GNSS receivers, system controllers and onboard software. Encompassing innovative, feature-rich functionality with a new, modern and ergonomic design,

Leica Viva is easier and more intuitive to use than any of its predecessors, yet it does not compromise on speed and precision.

With the launch of Leica Viva, Leica Geosystems reaffirms its long and unsurpassed commitment to pioneering solutions and innovations to measure the world. Leica

Viva offers a wide range of measurement solutions - starting from reliable products to worldwide support and active customer care programs to deliver maximum performance and productivity.

Source: Leica Geosystems

LiuGong Introduces New 816III to Extensive Wheel Loader Line

Earlier this month, LiuGong Construction Machinery North America received the first shipment of their new 816III Wheel Loader. The 816III, the latest addition to LiuGong's impressive wheel loader line, is designed to be compact in size while maintaining the necessary power to get a variety of work completed.

The 816III has an operating weight of 15 600 kg and comes standard with a 0,73 m³ loader bucket. The bucket breakout force exceeds 5450 kg, which helps contractors get through even the toughest of materials. For added versatility, the 816III comes with a quick coupler as standard equipment. The loader is powered by a Yanmar Tier III diesel engine that produces 64 hp. For increased peace of mind, the 816III is backed by a 3-year/3000-hour power train/hydraulics warranty.

Source: LiuGong North America



Kenworth T470 Adds Second Horsepower Rating

Kenworth Truck Company has added a second horsepower rating for the new Kenworth T470 model.

The Kenworth T470 may now be ordered with the 9 l Cummins ISL engine with 365 hp and 1250 lb-ft of torque. Previously, the T470 was available with only the Cummins ISL with 345 hp and 1150 lb-ft of torque.

The T470 offers Kenworth performance and durability for snowplow, dump, mixer, winch, refuse, and other heavy front-axle vocational and municipal applications. The T470 has a gross vehicle rating (GVW) ranging from a heavy Class 7 vehicle at 15 000 kg up to a light Class 8 truck at 30 850 kg.

The vehicle offers full parent rail extensions, delivering maximum resistance to bending moment (RBM) from one end of the rail to the other. Front axles are rated from 5450 to 9980 kg, single rear axles from 9500 to 11 800 kg, and tandem rear axles from 18 150 to 20 865 kg.

Source: Kenworth Truck Company



Ammann Offers Intelligent Control for All Compaction Applications

With the introduction of ACE technology to its light compaction equipment, Ammann Canada now offers intelligent compaction control across a full range of soil and asphalt compaction applications.

ACE, the Ammann Compaction Expert, is an electronic measuring and control system for vibrating rollers that automatically adjusts the amplitude and frequency to suit the characteristics of the ground. The system has been available in larger Ammann machines for several years, helping operators to achieve target levels of compaction without over-compacting or loosening material. Ammann now offers the same technology for light compaction equipment, including its AVH 6030 model, a three-shaft high performance vibratory plate compactor, and its RW 1504HF trench roller.

ACE-equipped machines provide continuous measurement of absolute compaction values, automatic adjustment of compaction parameters and comprehensive documentation of the compaction process.

The ACE system records all data on the bearing capacity of each soil or asphalt layer to meet requirements for CCC (Continuous Compaction Control) documentation. Captured data can be exported via standard USB storage devices. This record of continuous readings enables contractors to identify noncompactable areas and take any necessary remediation steps, such as soil stabilization or material exchange.

Ammann recently introduced updated versions of its compaction control with the ACEplus system including new GPS technology. ACEplus puts onsite mapping of compaction results into the operator's

compartment through a touchscreen PC display. The graphic display represents a



range of quality values including load-bearing capacity, number of passes, temperature and other details. The GPS signal in ACEplus can also be used to upload CCC data to remote IT systems for analysis and archiving.

Source: Ammann Canada

Enhanced Operator's Cab for 49HR Drill

Bucyrus International, Inc. introduces an enhanced, state-of-the-art operator's cab for the Bucyrus 49HR line of rotary blasthole drills.

A major aspect of Bucyrus' reconfiguration of the 49HR controls and console centered on improved ergonomics and comfort for drill operators. Bucyrus incorporated a six-way adjustable seat with a mechanical swing suspension into the cab design. In addition, in-seat controls were included, allowing drill operators to work in an ergonomically correct position. Between the seat and the front window, a footrest was added. This will aid in reducing operator fatigue and will help to minimize lower back pain. All primary controls are included on the in-seat control panels, while secondary controls are on a secondary control panel.

The operator's on-board monitor was programmed for enhanced visibility in all conditions, including direct sunlight and night conditions and screens were positioned to facilitate easy viewing.

Drill operators and drill maintenance

personnel both benefit from self-diagnostic program enhancements that not only alert operators that a fault has occurred, but also identify the source of the fault. This capability allows drill maintenance personnel to quickly repair the area in question in an effort to minimize drill downtime. It also allows maintenance personnel to mitigate safety risks associated with fault diagnostic activities. Ultimately, less drill downtime and mitigated safety risk equates to greater productivity and safety, a fact that Bucyrus is confident will positively impact the mine's bottom line!

The new operator's cab for the Bucyrus line of 49HR Drills is SAE-J 231 certified, making it Falling Object Protection Systems (F.O.P.S.) compliant. In addition, the new cab design allows for a better line of sight for drill operators, improving safety during propulsion and drilling operations. Bucyrus also offers an optional camera system to provide a 360°



field of visibility for additional safety and production.

Bucyrus is committed to supplying the mining industry with innovative products that provide a competitive edge by way of productivity, reliability and safety gains. The enhanced operator's cab for the Bucyrus 49HR drill is the latest addition to the company's expanding stable of EDGE Technology products. In today's competitive mining environment, Bucyrus EDGE Technology products, like the enhanced operator's cab for the Bucyrus 49HR drill, will give mine owners/operators the edge they strive for!

Source: Bucyrus International, Inc.

Sandvik Beat the Blues With International Customer Event

Sandvik Mining and Construction have held a highly successful four day customer event June 23-26, 2009, at Sandvik's Swadlincote factory, the Belfry Hotel, and with live machinery demonstrations at Armac's recycling center near Birmingham airport.

The major aims of the customer event were to formally mark the integration, and rebranding, of the Extec and Fintec products lines as part of Sandvik's product offering, and to publicize the new global center of excellence that has recently been created at the former Extec factory in Swadlincote.

In the spring of 2007 Sandvik acquired Extec Screens and Crushers Ltd, and Fintec Crushing and Screening Ltd. As leaders in the design and manufacture of mobile crushing and screening equipment, Extec and Fintec complements Sandvik's customer offering with mid-size and light equipment, thereby positioning Sandvik as a market leading supplier in a rapidly growing industry.

Sandvik has chosen to unify its mobile crusher and screen range under a single brand, this being signified by new model nomenclature, and machine colors, and has been given its worldwide launch at the global customer event.

As part of the activities attendees were treated to live demonstrations, seminars, presentations and a tour of the Swadlincote Global Centre of Excellence, the Aftermarket division, and Global customer support centre.

The event was not limited solely to mobile crushing and screening, as a major purpose was to highlight exactly what Sandvik offers to all its customers. "Sandvik offers a full range encompassing drill rigs, tools, breakers, static plants that possess direct applications to companies of all sizes that are involved in quarrying, construction, demolition, recycling, surface mining. These products also possess attributes that are suited to the contractor segment. The mobile screening and crushing division now allows our customers to enjoy a one-stop shop, so that we can truly be the solutions partner of choice for all our customers, worldwide," said Anders Kjelberg, vice president of Business Development.

The special nature of the occasion was used to mark the worldwide launch of a brand new product – the QE440 tracked scalping and screening system. The QE440 has been developed in order to deal with real operating requirements, which traditional screening



solutions are unable to adequately cater for. Its impressive screening area, yet robust construction, makes it ideal for serious producers of aggregates, whether comprising secondary or virgin materials.

Following on from the demonstrations visitors were then taken to Sandvik's Swadlincote factory. The old Extec HQ is now not only Sandvik's global center of excellence for mobile crushing and screening, but also the centre for Mining and Construction within the UK and Ireland.

The Sandvik customer event highlighted Sandvik's commitment to its newly acquired companies, and demonstrated the product range to customers who may have lacked familiarity with many items in the Sandvik portfolio. The entire product range is now able to provide high quality customer focused solutions to all players across a wide market area.

Source: Sandvik Mining and Construction Limited

New Line of Conveyor Take Ups and Track Option for Portable Stackers

Superior Industries introduces a new line of conveyor take ups to help ensure and maintain proper belt tension at the drive pulley.

In addition to the recently released telescoping tube and wide slot versions, the expanded line now includes four new styles: top angle take ups, light duty take ups, heavy duty take ups and center pull conveyor take ups. The complete group of manual screw and fixed styles offer solutions for belt conveyors where automatic style take ups are not practical with the design.

The company also announces a new track mounted system for its line of portable stacking conveyors.

Designed for applications where ground pressure is an issue, the tracks increase a conveyor's ability to travel across soft conditions. They are designed for easy mounting and can be retrofitted to existing Superior brand conveyors in about ten minutes.

Source: Superior Industries





Mobile Crushing and Screening in Action

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



Lightweight Aqua Cutter Proves the Solution for German Lock

*John Hooper, Joem Promotions Ltd
on behalf of Aquajet Systems AB
Special Collaboration*

Hydrodemolition specialist Luckei Betonfrästechnik based in Bendorf, Germany, was awarded the contract for the concrete removal; opting to use its Aqua cutter HD RA robot.

Luckei is using the Hydrodemolition robot to remove 400 mm of concrete along the full 100 m long lock wall; totalling 280 m³.

The compact and versatile HD Robot Arm is proving ideal for working on the 1,2 m wide strip. It features Aquajet's improved EDS cutting head which keeps the set distance from the nozzle to the surface independent of the selected lance angle: optimizing the removal rate and saving energy. The system also has no electric cables or sensors at the front, eliminating the risk of malfunction due to moisture.

than mechanical removing methods and is also considerably less labor intensive.

Together with the robot, Luckei is operating

As part of Germany's WSV and the Bundersministerium's strategy to upgrade its locks on the River Neckar, hydrodemolition techniques are being employed at the Guttenbach lock where weight loadings are critical to prevent badly cracked lock walls from collapsing.

Hydrodemolition techniques using an Aqua cutter HD RA system with a robot arm from Sweden's Aquajet Systems and weighing just 1700 kg, was chosen to remove poor quality and cracked concrete on the Guttenbach Lock.

Located on Germany's River Neckar, the twin Guttenbach Locks were first built in 1939 with a second lock being added in 1955.

The middle wall separating both locks and also built in 1939 is just 1,2 m wide. With excessive cracking on both sides of the lock walls, weight loadings was a critical factor in determining the method of removing the concrete slab across the full 1,2 m width.

All movements are hydraulically maneuvered by remote control, a safe distance from the unit. No manual adjustments or use of tools is required to position the robot arm.

Use of hydrodemolition techniques ensures no rebar damage, minimized risk of good concrete removal, eliminates dust and crystalline silica pollution and leaves a superior bonding surface. It is also substantially faster

a high pressure Power Pack with the capacity of 250 l/min of water at 1000 bar pressure, water is taken from the river and filtered to ensure performance is not affected by dirty water.

After use, the water is again filtered and returned to the river.



A temporary gate barrage has been placed across the upstream end of the lock closest to the river bank and water pumped out to provide a dry lock for Luckei to prepare the 9,50 m wall.

Luckei will then use hydrodemolition techniques for the severely cracked walls and is considering the use of Aquajet's recently introduced hybrid robot offering an extended

vertical cutting reach of 9 m.

Once reconcreted and additional strengthening completed with the installation of 20 m deep prestressed anchors along both sides of the lock, new gates will be installed for the lock to resume normal duties.

The River Neckar is 367 km long and forms a major tributary to the River Rhine which it joins at Mannheim discharging an average 145 m³/s of water into the Rhine; making it the fourth largest tributary and Germany's 10th largest river.

It is navigable for cargo ships up to the river port of Plochingen, some 200 km upstream from Mannheim and features 27 locks dropping the river from 247,32 m to 86,50 m.

With barge traffic using the Guttenbach Lock every 10 – 15 min between 7am – 10pm, plans are underway to increase the length of the lock from 100 m to 130 m in readiness for the new generation of longer barges.

Main contractor for the Guttenbach Lock project is Echterhoff GmbH & Co Kg and consulting engineer is Glass Bauunternehmung GmbH.

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Dynapac Compactors Chosen for Key Role on Major Dam Project in Turkey

A fleet of four new Dynapac single drum vibratory rollers is currently working on the massive Alkumru Dam for the Hydro Electrical Power Plant project in Turkey. A total of 18 million m³ of clay and rockfill is being compacted to form a finished structure with a height of 134 m from foundation level and a crest length of 909 m.

The \$500 million project, which currently employs a total workforce of some 1250 people, is being undertaken by Limak HES Yatirimlari AS, one of the region's leading investors in the power industry.

The Alkumru Dam is one of seven adjacent dams to be constructed on Botan Brook, a tributary of the River Dicle, and once completed at the end of 2010, will transform the region into one of large lakes providing much needed electricity.

Since the project commenced in 2007, Dynapac, part of the Atlas Copco Group, has been able to demonstrate not only its ability to supply the ideal soil compaction equipment for the application but also provided the necessary follow-up expertise to ensure its correct and efficient use.

This commitment to its customers recently involved a visit to the important Alkumru project by a group of four key Dynapac and Atlas Copco personnel, including the compaction and paving research manager from the company's International High Competence Centre. During this visit a technical seminar was given to the entire site management and application team covering the latest developments in compaction technology.

The rollers chosen for this project consist of three CA512D smooth drum machines and one CA512PD padfoot version, all with a drum width of 2130 mm. The smooth drum units are being used for compacting layers of rockfill whilst the padfoot machine is working on the cohesive clay areas.

The machines are making three or four passes of up to 200 m in length achieving the required 99% degree of compaction, much to the satisfaction of project manager Sukru Sevim.

According to Limak's machinery manager Ali Sabahci, "Out of the 240 or so pieces of large equipment on site, the Dynapac rollers are among the most important as they are undertaking the critical compaction of the impermeable clay layers and maintaining proper contact points between the clay and existing rock layers in the dam toe and valley."

Once completed, the Alkumru Dam and the Hydro Electrical Power Plant is planned to produce 828 million kWh of electric power per annum with its 265 MW installed capacity fulfilling part of the Turkish Government's long-term plan to reduce the country's dependence on foreign power.

Source: Dynapac AB



A Long-Time Supporter of Titan Trailers' Innovation and Technology

Second generation trucker, Gary Krygsman, is proud of the fact that his family's trucking business acquired the industry's first ever custom-built Titan THINWALL™ trailer.

"In the mid-1990s, my dad, Peter, was looking around for a lighter trailer to carry bulk materials like grain and feed products," Mr. Krygsman says. "He had already purchased some custom-built post and panel B-Train Hoppers from Titan's owners, the Kloepfers, who were fellow farmers and family acquaintances, in 1993 – so we were aware of Titan quality. Dad asked them if they could design and build a lighter trailer with smooth sides and a walking floor for our application. Out of their meetings and consultations came the world's first extruded horizontal paneled, smooth-sided inside and out Titan THINWALL trailer."

The Krygsman family took delivery of its first Titan THINWALL trailer in 1996 and quickly ordered a second. Today, as the owner and manager of his own trucking business, Norkel



Carriers Inc., Gary Krygsman remains a loyal Titan customer.

Norkel Carriers Inc., has a fleet of five trucks and seven trailers. Five drivers, including three of Gary's brothers, carry all kinds of loads all over Ontario. "We go as far north as Kirkland Lake, as far east as Ottawa and Cornwall and as far west as Windsor," says Mr. Krygsman. "Most of our destinations are



within an 8 hour radius."

Two of Norkel's largest customers at present are mushroom growers, for whom he hauls mushroom compost; and a major landscape supply company, for whom he carries wood/bark mulch. The company also carries grain over the winter months. Gary Krygsman says that his Titan THINWALL walking floor trailers are tailor-made for these three applications. In addition to his five Titan THINWALL trailers, he has two freight trailers that are used to haul sawdust.

"No Regen Engine" and SCR Tour

Seeing is believing, so Volvo Trucks North America is making sure as many customers as possible see its EPA2010 emissions technology in action through its "No Regen Engine" tour. So far, more than 1000 customers have learned first-hand about the many benefits of Volvo Trucks' fuel-saving selective catalytic reduction (SCR) technology, and how it eliminates



diesel particulate filter (DPF) active regenerations for EPA'10.

The "No Regen Engine" tour uses Volvo Truck dealerships across the United States and Canada as venues to present a comprehensive explanation of SCR and demonstrate its benefits to customers. Customers are given the opportunity to inspect and drive a production-ready EPA'10 Volvo VN, as well as handle samples of diesel exhaust fluid (DEF).

Source: Volvo Trucks North America



KRYGSMAN APPRECIATES TITAN CUSTOM-BUILT PHILOSOPHY

Gary Krygsman remains impressed with Titan's ability to incorporate specified modifications into the design of the trailers he has acquired from the company. He says it is gratifying to see how some of his requests, like lights inside of the trailer and brake-light modifications, are now standard equipment on all Titan trailers. "Titan really works with what you want, or don't want, in the design of your trailer – the end-product truly is custom-built to each customer's specs," he says.

Durability and ease of maintenance are two Titan features that keep Norkel Carriers' drivers on the road. "We handle all routine maintenance onsite and we give them weekly brushless chemical washes in our bays, as well as spring and fall acid washes," says Gary Krygsman. "As a result, all of our Titan THINWALL trailers continue to look as new today as the day they were delivered."

Source: Titan Trailers

Roadtec Introduces SmoothMill™ Digital Automation

Roadtec now offers enhanced and improved grade and slope control automation for its cold planers. SmoothMill™ features integrated connections and cabling, two dual control boxes for ground personnel, each capable of controlling both sides of the machine, and also provides the operator (driver) with a separate control box.



Ground personnel are now able to simply plug controls into sockets conveniently located on the outside of the machine. They can control both sides from either side of the machine, depending upon conditions, without having to move boxes. The driving operator now also has his own automation controls atop the machine, the ground boxes being slaved to the operator's controls.

Source: Roadtec

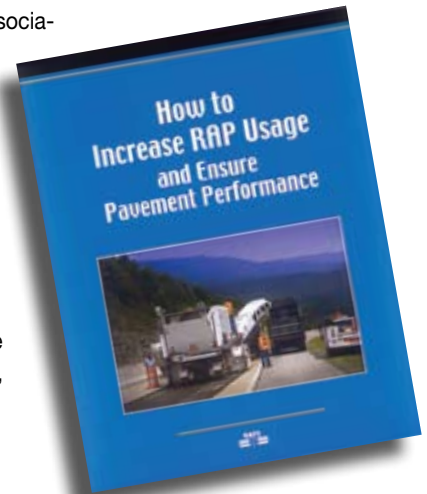
How to Increase RAP Usage and Ensure Pavement Performance

The National Asphalt Pavement Association announces the release of a new publication, *How to Increase RAP Usage and Ensure Pavement Performance*.

This 8-page brochure is designed to persuade pavement owners that RAP (reclaimed asphalt pavement) can be successfully incorporated into new asphalt mixtures, and that it is possible to increase the percentage of RAP while maintaining consistency, quality, and performance. In reader-friendly Q-and-A format, it addresses some of the most frequently asked agency questions concerning asphalt reuse/recycling. Also included is a bibliography of RAP resources. The brochure makes a great handout for trade shows and an ideal leave-behind when discussing the possibility of incorporating or increasing RAP with agency or consulting engineers.

How to Increase RAP Usage and Ensure Pavement Performance is available from NAPA.

Source: The National Asphalt Pavement Association



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Shuttle Buggy® MTV Now Features Hydraulic Drive

Roadtec announces the changeover from axles and gears to hydraulic motors that control each wheel of the Roadtec Shuttle Buggy Material Transfer Vehicle (MTV).

This upgrade makes the machine even easier to shift and operate. The hydraulic system and motors are easier to work on than the traditional axle arrangement. There will be less wear associated with the hydraulics, making the system more durable. The reliability and life span of the Shuttle Buggy MTV's transmission will also benefit from the new hydraulic system.

The Shuttle Buggy MTV is a device that remixes segregated asphalt mix and loads it into the paver. It is well known in the asphalt road building industry that temperature and material segregation are major contributors to uneven density and end-of-load segregation and their associated flaws, such as pot holes. Remixing in the Shuttle Buggy MTV from Roadtec has proven to be an effective



method of eliminating temperature and material segregation in the mix just before it is loaded into the paver. According to Western Association of State Highway and Transportation Officials (WAASHTO) study T9903, a temperature differential of 7°C or less, assures the possibility of even compaction to specified density. Numerous infrared tests made in real-life working conditions have proven the Shuttle Buggy MTV able to

consistently deliver mix with a temperature differential of 7°C or less. According to the WAASHTO study, roads built with these extremely low temperature differentials require far less maintenance, and can last twice as long as roads built with temperature-segregated mix.

Source: Roadtec

Service - The Secret of Success

We are all interested in the dynamics of those companies that continue to attract orders in these straightened times.

It would seem that RUD-Erlau, a family-owned company with a 130 year old tradition of industrial chain making, may provide some clues.

Pervading the company and its worldwide network of wholly-owned subsidiaries, agents and distributors is an strong emphasis on customer care and service. Typical is the comprehensive service provided by RUD-Erlau's tire chain division.

Headed by Francesco Di Giusto, is a 24 strong team of qualified engineers with a wealth of experience in the world's materials handling industries. Their combined knowledge of mining, quarrying, slag handling, demolition, forestry and other wheeled operations – on-road, off-road and on-site – ensures that customers receive expert support throughout – from choosing the right tire chain for your application, to installation and life-of-product after-care.

Your choice of chain will be supported by cost-benefit analysis drawn from similar operations which confirm that tire chains not only save tires but also increase productivity

at a measurable, cost-per-tonne saving of, at least, 10%.

When your chains are delivered a RUD-Erlau engineer will be there to ensure they are correctly fitted. In between regular follow-up visits to check the

chain condition and tensioning for optimum performance, RUD-Erlau's engineers are only a phone call away and, usually, can be on-site within 24 hours.

Customer care and service is the responsibility of every single member of RUD-Erlau's 1100 strong work-force. From initial enquiry, through order processing, manufacture, quality control, delivery, installation and aftercare, service is paramount.

RUD-Erlau believes that it is customer care and service that has marked 2009 with a series of substantial orders for tire protection and traction chains.

Whether it is tire protection and traction



chains, conveyors, elevators, lifting gear RUD-Erlau's design team's core mission is to develop components and systems that, by easing installation and reducing maintenance costs, make life easier for the customer.

Similarly, RUD-Erlau's metallurgists have developed light-weight, energy-saving alloys that offer customers increasingly greater strength and durability.

With a steady flow of orders, RUD-Erlau may claim, with some justification, that customer care and service is the secret of success.

Source: RUD-Erlau

Business is Picking Up at Lindy Paving!

As part of the P.J. Dick family of construction and contracting companies, Lindy Paving has a voracious appetite for asphalt. The National Asphalt Paving Association awarded its prestigious Sheldon G. Hayes Award to Lindy for the top highway-paving project in the United States in 2005 and 2008 and placed second in 2007. To help meet the demand of its many projects throughout western Pennsylvania, Lindy's Neville Island site near Pittsburgh was developed as a fully integrated asphalt manufacturing and distribution facility, producing up to 400 t/h.

In 2006, Lindy purchased a new Sennebogen 870 M rubber-tired material handler to take over loading operations at its Neville Island port terminal. Tim Lang, equipment manager at Lindy Paving, explains that the terminal has used converted excavators for loading operations in the past, but the new



of economics. "We were contracting out some of the loading work," he explains. "Our workload had risen; we were very busy, and we realized that we could do it ourselves for lower cost."

The first 870 M logged approximately 6000 h through its first 30 months. Lindy then

returned to Gibson Machinery, the Cleveland-based dealer for Sennebogen machines in the region, with a location on Neville Island (Pittsburgh) to handle product support, equipment sales and rentals in the western Pennsylvania and western Virginia territories, for a second machine. "The new



Sennebogen machine performed well enough that a second one has been purchased for the terminal.

Located on the Ohio River, not far from Pittsburgh International Airport, the Lindy terminal receives a steady stream of 1500 t barges laden with sand and aggregate for asphalt production at the island's nearby plant. The terminal also receives and stores loads of salt for de-icing highways in the winter. For several years now, Lindy has also provided port services to Shenango Steel. Shenango's coking plant on Neville Island is located adjacent to the Lindy terminal property. The Lindy terminal is under contract to handle the barges of coal which Shenango bakes into about 345 000 t/y.

According to Tim Lang, the addition of the second Sennebogen was simply a matter

unit is identical to the first one," says Tim Lang. "Same specs, same equipment. It's a good machine, gives us no serious problems, price is right, service is good, it's what we need... there was no reason to think of getting anything else! And now we can keep everything in-house."

The two "green machines" now work side-by-side, non-stop, at the terminal. Each machine is capable of offloading three jumbo barges per shift as well as stockpiling and loading trucks.

Mr. Lang sees the purpose-built Sennebogen equipment as a big improvement over the excavators they replaced. "They're two different machines trying to do the same job. The Sennebogen is really made for unloading barges - the excavator is made to dig and needs to be converted for this work."

Tim Lang and Lindy's terminal managers first learned about how Sennebogen could fit into their operation when Gibson Machinery's equipment specialist, Jim Ludiciani arranged a demonstration on their site. Mr. Lang soon learned that some of the Gibson technicians lived in the same area as Lindy's own technicians, so service has never been a problem. "If we put in a call, one of the Gibson guys can be here within an hour," he says.

The Sennebogen 870 M is a 75 t unit with a nominal reach of up to 20 m. The models working at the Lindy Paving terminal are equipped with a 3,5 m³ clamshell bucket. Both feature Sennebogen's popular elevating cab, which gives operators a much improved view into the hold of the barges and into the trucks they are loading. Tim Lang's observation is that, from an excavator cab, the operator can only see into half of the jumbo barge, where the Sennebogen material handlers provide the height to see directly into the entire hold, and move material out more efficiently.

"What makes it right for what we're doing is simplicity. These machines don't have a lot of bells & whistles on them. They're simple to work on, simple to run; they're just a nice machine. It has worked out very well for us."

With the right loading equipment in place and good customers right next door, business is still "picking up" at the Neville Island terminal.

Source: Sennebogen LLC

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ACE introduces Wireless-GPS System for Road Maintenance Vehicles

ACE, Accent Electronic Controls, Inc. recently launched the INFOBITE™ fleet tracking and work process reporting system. INFOBITE™ is designed to interface with ACE's electronic material spreader controllers as well as with other brands controllers (with reduced capabilities). ACE's Canadian developed and manufactured INFOBITE™ system combines low-cost compact onboard recording and tracking devices together with a free reporting and mapping software application.

INFOBITE™ XTransfer modules are vehicle onboard recorders that wirelessly upload all trip and work process information generated by vehicle spreader controllers, plow sensors or any other tool monitored. Data transfers are automatically done over a free and secure wireless link each time vehicles return to their yards. INFOBITE™ XTransfer equipment can accurately track routes travelled to later trace them onto maps using user-configurable turn / time / distance logic.

The INFOBITE™ Supervisor software produces a variety of user-defined activity reports, including those required by highway authorities such as the Ontario Ministry of Transport (MTO). It can produce map reports showing travelled routes and related spreader or work process information. Map reports use free web-based Google™ maps that include detailed road data, terrain data and satellite/aerial imagery. INFOBITE™ Supervisor handles configuration management for onboard equipment and the reporting application. Multiple users can remotely access information that is collected from multiple locations.

INFOBITE™ Supervisor was developed in

collaboration with fleet operators and is available for free with the purchase of INFOBITE™ equipment. There are no limits to the number of vehicles or users and it is not subject to monthly subscription fees or long-term contracts. French or English configurations can be selected based on user preferences or with a mouse click.

The INFOBITE™ system can monitor snow plows, spreader trucks, road patrols, sweepers, mowers, construction equipment and most public work vehicles. Real-time tracking applications are also supported and can operate simultaneously.

"ACE is proud to introduce INFOBITE™ at a time when salt management practices, adherence to maintenance standards and operating cost constraints are becoming increasingly important. From our experience over the last twelve years, it was clear that a customized solution was needed to deal with these highly specialized fleets. Comprehensive functionality that can manage the unique operation of road maintenance fleets and affordability were the key criteria in the design of INFOBITE™," states Eric Lemieux, president and CEO of ACE. He further adds: "We are the only Canadian manufacturer of a full product portfolio for this market. We work very closely with our customers to support them, learn from them and to evolve our products to meet

their changing needs. We thank them for their support."

ACE designs and manufactures products in Canada that are specifically targeted at the road maintenance fleets. The company's product line includes electronic spreader con-



trollers sold under the names CHLOROBITE™ and ECOBITE™, MANIMAX™ branded operator joysticks, a full line of hydraulic control valves including the fuel-saving OPTIVALVE™ load-sensing combination valve, and now complementing this portfolio, the INFOBITE™ management system. ACE is a privately owned company that has been in operation for over 12 years and is located in Quebec City. It sells its products to fleet operators and through a network of professional resellers and integrators. ACE products have been approved by all mainstream Canadian plow truck builders.

Source: ACE, Accent Electronic Controls, Inc.



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Elgin Sweepers Gives New Life to Used Sweepers

Elgin Sweeper has introduced a factory authorized sweeper rebuild program for customers unable to purchase new sweepers due to budget constraints in the current economy. Available to municipal and contractor customers until December 29, 2009, the program was established in conjunction with Elgin Sweeper's North American dealer network.

"Our rebuild program is a great alternative for customers working with Elgin sweepers that have endured years of extensive work, especially when there isn't room in their budgets to purchase a new sweeper," said Frank Ligori, parts marketing manager for Federal Signal Corporation's Environmental Solutions Group, of which Elgin Sweeper is a subsidiary.

Elgin Sweeper is leading the industry with this comprehensive rebuild program. "In terms of service and maintenance, Elgin Sweeper always seems to take the lead," according to Dave Donlon, vice president of Standard Equipment Company, an Elgin

Sweeper dealership located in Chicago.

Developing a standard, all point inspection form for each Elgin Sweeper model was the first step in developing the rebuild program. In most cases, these model-specific forms include approximately 100 points of inspection. Technicians thoroughly evaluate the sweeper and provides the customer with a comprehensive list of needed repairs.

During the rebuild process, Mr. Donlon said his team ensures that the sweeper is mechanically sound. Depending on the customer's needs and the condition of the sweeper, the extent of the rebuild may include sand blasting, repainting and all fit and finish.

As part of the rebuild program, Elgin Sweeper offers its dealers a flexible online training solution that is available 24/7 to



their technicians. "Online training provides our dealers with a cost-effective method of delivering the information, tools and skills necessary to be successful in the sweeper market," Mr. Ligori said.

Source: Federal Signal Corporation



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Carlisle Companies Introduce NVELOP

Carlisle SynTec, Carlisle Coatings and Waterproofing Incorporated, and Insulfoam have teamed up to offer today's environmentally responsible building owner the industry's preeminent six-sided air- and water-tight system: NVELOP™ Building Envelope Solutions. These three companies have integrated compatible product lines to create a complete building envelope shell that is intended to provide superior protection against severe weathering conditions while increasing energy efficiency.

Featuring the industry's most comprehensive specification and tie-in details, Carlisle's NVELOP Building Envelope Solutions program offers a single-source warranty covering the roof, roof insulation, air and/or vapor barrier, window flashings, cavity wall insulation, below-grade waterproofing, and below-grade insulation. "Carlisle's NVELOP program was developed to meet the needs of high-performance buildings," said Samir Ibrahim, director of Design Services for Carlisle SynTec. "By using compatible materials and



proper tie-in techniques on the critical junctions between systems, catastrophic failures can be prevented."

According to the U.S. Green Building Council, commercial buildings account for more than 30% of all energy consumed in the U.S. and Canada, and air leakage is the leading cause of energy waste in commercial buildings. A study conducted in 2005 by the National Institute of Standards and Technology indicated that minimizing air leakage in a

building envelope can result in energy savings as high as 37%.

Carlisle SynTec, Carlisle Coatings and Waterproofing Incorporated, and Insulfoam are all divisions of Carlisle Construction Materials (CCM). CCM, headquartered in Carlisle, Pennsylvania, is a business segment of Carlisle Companies Incorporated.

Source: Carlisle Companies Incorporated

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Ford-Engineered, Ford-Tested, Ford-Built Power Stroke for 2011

A new era in Ford diesel technology arrives with the 2011 6.7 l Power Stroke V-8 turbocharged diesel engine.

Debuting in the next-generation F-Series Super Duty truck, the new diesel engine will deliver significant improvements in torque, horsepower and fuel economy while adding more fueling flexibility and easily meeting stringent new emissions requirements.

"This all-new diesel engine has been so extensively tested both in the lab and in the real world that we're confident we're giving our customers the most reliable and produc-

tive powertrain available today," said Derrick Kuzak, group vice president of Global Product Development. "Our Super Duty customers demand reliability and durability in their trucks so they can deliver the best results for their business and their customers. That's exactly what this engine delivers."

The diesel engine team made improvements and changes throughout the engine architecture to deliver on aggressive horsepower, torque, emissions and fuel economy targets. The new engine uses an "inboard exhaust" architecture, an automotive-



industry first for a modern production diesel engine. It features a compacted graphite iron (CGI) engine block, aluminum heads and a turbocharger with a double-sided compressor wheel mounted on a single shaft.

The high-pressure fuel system uses eight-hole piezo injectors. The new engine is compatible with B20 biodiesel. The new Power Stroke V-8 turbocharged diesel will rely on Selective Catalytic Reduction (SCR) to comply with 2010 regulations.

The new engine will be built at Ford's Chihuahua Engine Plant.

Source: Ford Motor Company

Mercedes-Benz Will Sell the Sprinter in Canada

Mercedes-Benz Canada announced recently that the Sprinter commercial vehicle brand will join the Mercedes-Benz group in Canada as of January 1, 2010. Well-known and respected as a benchmark in the light-duty commercial vehicle segment, the Sprinter vans offer customers the best overall value and lead the industry in the areas of safety, fuel efficiency and innovation.



Sprinter vans will be available in Canada with a 3.0 l V6 diesel. A myriad of options are available to allow customers the opportunity to build a vehicle that properly suits their business, transportation or recreational needs. Best in class cargo capacity, payload and compartment accessibility provide unmatched versatility, and the Sprinter also offers the longest maintenance intervals in the industry.

Starting in 2010, new Mercedes-Benz Sprinters will be sold and serviced through existing Mercedes-Benz dealerships across Canada. The well established Mercedes-Benz network offers strategically located facilities in every major and secondary markets.

Source: Mercedes-Benz Canada

Electric Vehicle As Pace Car



Green Star Products, Inc. and Global Green Cars, Inc. introduced their G-3 plug-in electric pickup truck by working as the lead pace car at Rocky Mountain Raceway on August 29th, 2009 in West Valley City, Utah.

Starting all the heats and the main event races at speeds of about 50 mph, the G-3 handled the sharp corners of the quarter-mile track and accelerated strongly over a three-hour period without recharging.

The truck has a working payload of 450 kg, can comfortably seat two people, and has a top speed of over 135 km/h. The average driver should obtain a range of 160 km between charges, and spend about \$1 dollar to fully recharge the advanced nickel-based battery.

Source: Global Green Cars

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PNC Unveils Largest Green Wall in North America

The PNC Financial Services Group, Inc. has unveiled the largest green wall in North America as an innovative way to make its headquarters building more energy-efficient. The 224 m², soil-based wall - similar in size to a doubles tennis court - features a variety of regional plants grown into living art on the south-facing wall of One PNC Plaza at the corner of Fifth Avenue and Wood Street in downtown Pittsburgh, Pennsylvania. Available video includes footage of the Green Wall, as well as soundbites from PNC's Gary Saulson and George Irwin of Green Living Technologies.

Source: PNC Financial Services Group, Inc.



Sureway Construction Partners with BID2WIN

Sureway Construction Group of Companies has recently partnered with BID2WIN Software Inc. to standardize their estimating and bidding process.

With 2008 revenues of over \$443 million, Edmonton, Alberta-based Sureway Construction Group was recently featured in Alberta Venture Magazine's Fast 50 Spectacular Growth segment, and was named one of the top ten employers in the region. BID2WIN Software is thrilled to have one of Alberta's leading civil construction firms onboard and looks forward to a long and successful partnership with the company.

"With the purchase of BID2WIN we have gained even more confidence in our estimates allowing us to close jobs more aggressively than in years past," says operations manager Glenn Fereday. "Also, BUILD2WIN, their browser-based, integrated field tracking solution, has enabled us to improve on some of our other processes within the business to streamline multiple departments. We are very happy with our software purchase and have enjoyed the level of service and professionalism of the BID2WIN Software team."

Founded in 1973 by president Dennis O'Rourke, Sureway Group of Companies is a privately owned corporation group specializing in earthworks, underground utility, aggregates industrial minerals and specialty services to the urban land, infrastructure and industrial markets in Alberta.

Source: BID2WIN Software Inc.

You can count on us to keep you well informed on what is hot in the industry
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Appointments

Truck World and ExpoCam will now be managed by **Joan Wilson**, an industry veteran with more than 20 years experience with trucking events and other large Canadian trade shows. These truck shows are owned and produces by **Newcom Business Media Inc.**

"We are excited to bring Joan back into the trucking world. She is familiar with our organization and of course with the industry at large. Her experience will allow us to leverage what we have already started and continue to grow Canada's National Truck Shows", said Joe Glionna, director, Show Division at Newcom Business Media.

Source: Newcom Business Media Inc.

United Rentals, Inc. announces that **Ned Graham** has been appointed to the position of vice president of business development, effective immediately. Ned Graham, a 29-year veteran of the equipment rental industry, will lead the development of strategies and process improvements related to business expansion.

Prior to joining United Rentals, Mr. Graham most recently served as senior vice president of operations for RSC Equipment Rental, where he directed operations in 30 states, following six years as regional vice president and two years as district manager. Previously, he acquired and served as president for Approved Equipment Company, a multi-location rental, sales and service business. He began his career with Manufacturers Hanover Trust Company in corporate lending.

Source: United Rentals, Inc.

Edgar J. Chavez has been named vice president of **Vacall products**. Vacall product group offers a variety of high-performance sewer cleaning equipment, straight jetting trucks, hydro-excavators and industrial vacuum loaders, all distinguished by their exceptional vacuum force and rugged durability.

Mr. Chavez will be managing Vacall's sales and marketing efforts, including dealer development, distribution network, product development and engineering. He is reporting directly to Mike Haberman, president of Gradall Industries, Inc. at New Philadelphia, Ohio.

Mr. Chavez joins Vacall from Case New Holland, where he served since 2006 as global product development platform-marketing manager, director of key national and government accounts and, most recently, North American marketing director for New Holland Construction and Kobelco America.

With over 20 years of industry experience, Mr. Chavez's career also includes positions with Astec Industries, Mitsubishi International and Volvo Construction Equipment.

First introduced over 50 years ago, Vacall brand products are owned by the Alamo Group. Vacall machines are designed, built and supported by Gradall Industries, with processes that meet ISO 9001 standards.

Source: Gradall Industries, Inc.

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- Operational sequence to prevent dead blows
- Designed to push the tool against the surface
- Rotation over 100° with locking feature
- Self-contained unit, no harmful emissions
- 1150 lbs weight (without hammer)
- U.S. Patent #US8 752221 B1
- Canadian Patent #2 415 330

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Agenda

Trends 2010 / Garden & Floral Expo
October 20 - 21, 2009
Toronto, ON Canada

China Mining 2009
October 20 - 22, 2009
Tianjin, China

5th Algeria Electricity & Water Expo
3rd Algeria Fire, Safety & Security Expo
November 3 - 5, 2009
Algiers, Algeria

China Coal & Mining Expo
November 3 - 6, 2009
Beijing, China

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

vent + 2009
November 9 - 10, 2009
Montreal, QC Canada

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

The Big 5 PMV
November 23 - 26, 2009
Dubai, United Arab Emirates

EXCON 2009
November 25 - 29, 2009
Bengalore, India

Atlantic Logistic Forum
November 26 - 27, 2009
Pau, France

CONGRESS 2010
January 12 - 14, 2010
Toronto, ON Canada

World of Concrete 2010
February 2 - 4, 2010
Las Vegas, NV USA

World of Asphalt
February 15 - 18, 2010
Cincinnati, OH USA

Atlantic Heavy Equipment Show
April 8 - 9, 2010
Moncton, NB Canada

Bauma 2010
April 19 - 25, 2010
Munich, Germany

IFAT CHINA
May 4 - 6, 2010
Shanghai, China

1st APOM Technical Day
May 7, 2010
Sorel-Tracy, QC Canada

Hillhead
June 22 - 24, 2010
Buxton, UK

2nd APOM Technical Day
September 10, 2010
Drummondville, QC Canada

IFAT 2010
September 13 - 17, 2010
Munich, Germany

IAA Nutzfahrzeuge - Commercial Vehicles
September 23 - 30, 2010
Hannover, Germany

bC India International Trade Fair
February 8 - 11, 2011
Mumbai, India

CONEXPO-CON/AGG & IFPE
March 22 - 26, 2011
Las Vegas, NV USA




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Flood protection at IFAT 2010 – Pumps to the rescue

The growing risk of floods opens up interesting business opportunities for the manufacturers of mobile pumps.

“We have to avoid the unmanageable and manage the unavoidable.” This comment, which sums up very neatly just what the challenge is from climate change, comes from Professor Hans Joachim Schnellhuber, one of Germany’s leading climate researchers and director of the Institute for Climate Impact Research in Potsdam. The kind of events regarded as unavoidable include the predicted increase in the incidence of heavy rainfall in Germany and in other countries, and the more frequent flooding that this will bring.

Possible ways of adapting to this are by using building methods that are appropriate to floods, by creating retention areas for excess water and by strengthening existing flood-protection installations. Walls, dykes, sandbags, flood barrier systems, window closures, protective gates and sliding gates are measures that can be taken, but a key

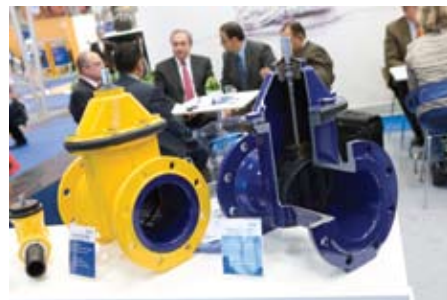
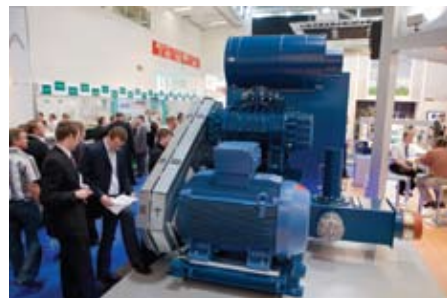
element in the technology of flood protection are pumps.

Many pump manufacturers will be presenting their products and solutions next year at the environmental fair IFAT 2010 in Munich.

In 2008 IFAT set a new record for atten-



dance, with 2605 exhibitors from 41 countries and around 120 000 trade visitors from 170 countries. IFAT 2010, the 16th International Trade Fair for Water – Sewage – Refuse – Recycling, takes place at the New Munich Trade Fair Centre September 13 - 17, 2010. It is the world’s most important trade fair for



innovations and new developments in the fields of water, sewage, refuse and recycling. The event offers an attractive exhibition program featuring state-of-the-art technology and a broad range of professional services for water, sewage and refuse management.

Source: Messe München International

Dates for new bC India international trade fair announced

The first bC India – A BAUMA CONEXPO SHOW, International Trade Fair for Construction Machinery, Building Material Machines, Mining Machines and Construction Vehicles – has now been scheduled to take place February 8 - 11, 2011. The venue for the trade exhibition is the Bandra - Kurla Complex in Mumbai, with approximately 50 000 m² of exhibition space available for this new event.

Earlier this year Messe München GmbH (MMG) and Association of Equipment Manufacturers (AEM) announced an agreement on closer cooperation in organising international construction machinery trade fairs, with bC India representing the first joint project.

The show organisers note that they are working with allied industry organisations to advance worldwide cooperation for bC India, and that leading manufacturers have already expressed great interest in participating in the inaugural exposition.

MMG and AEM bring a combined international expertise to the growing Indian marketplace, which will result in a high-quality event that advances the construction industry and benefits all bC India participants.

Source: Messe München International
Association of Equipment Manufacturers

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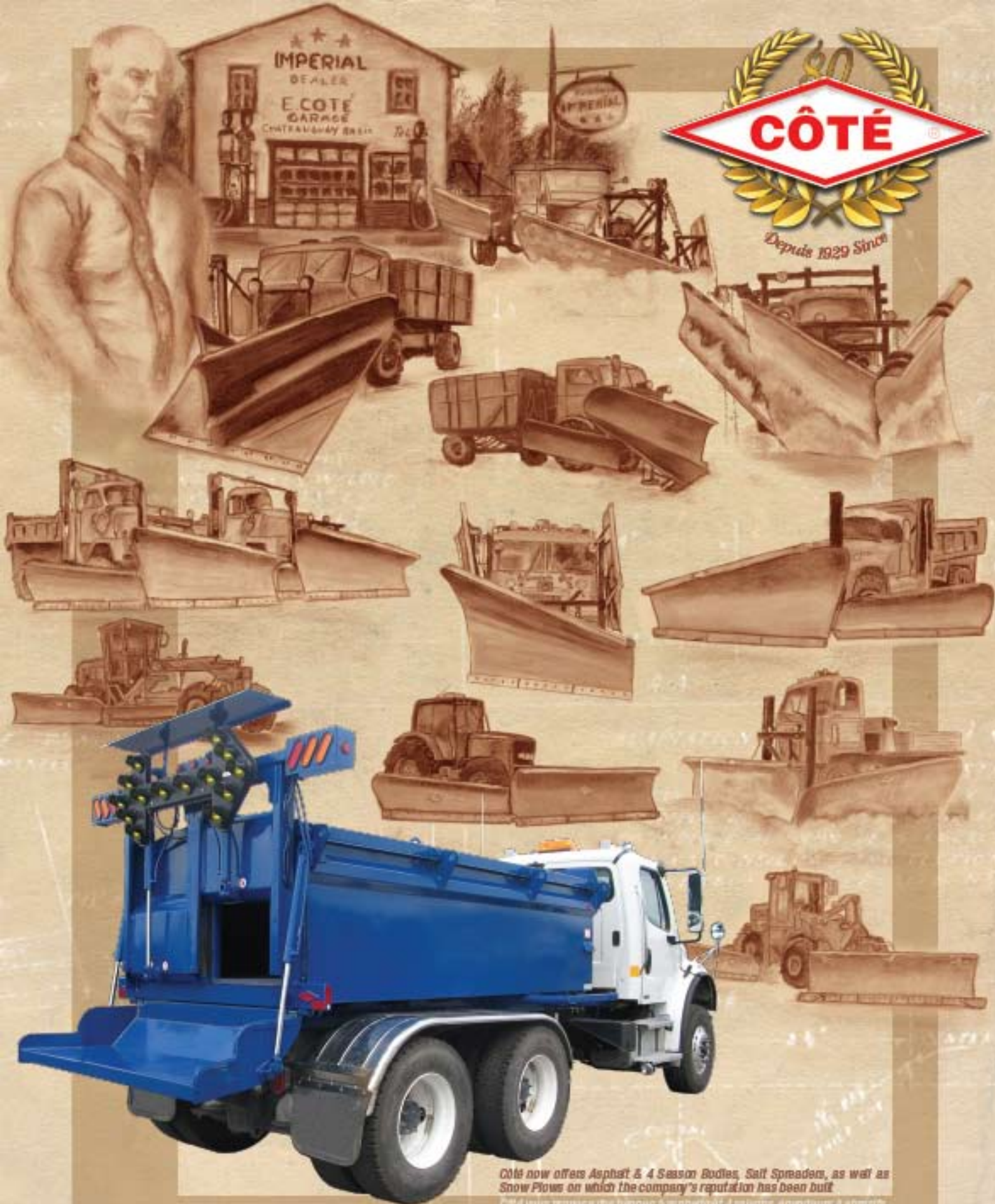
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