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A Brief Word...

So, with winter behind us it is April showers and all that sort of thing.

But what does it mean for you as an equipment user? By rights it should mean no time to stand still, unlike last year when weather and economic doldrums did their level best to grind us to a halt.

It is a spring of mixed blessings however, and don't forget it. Thanks to record post-war federal government spending there should be plenty of work to go around. Thanks to commodity prices, and a lagging U.S. economy equipment prices should be better than they have been in a long time for importers. Ah, there's the rub!

We don't make a lot of equipment in Canada anymore, but we still have some manufacturing capability and innovation happening around the country and this situation isn't all rosy for them. Worse still, we have some provinces who seem bent on realizing the old saying; "It has to get worse before it gets better", by forging ahead with what many believe to be questionable tax policies. In particular Ontario and BC's introduction of an HST.

The best advice is to make the most of it while it lasts. Interests rates will rise, exchange rates will settle and mega-projects will conclude, sooner rather than later. This is not the 'New Reality', merely a brief respite.

We at InfraStructures will do our level best to highlight what is going on around the country and around the world to give you insight into your industry's future. Those who succeed, plan with InfraStructures.



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On the cover: Italian manufacturer VF Venieri has been making construction equipment for 63 years.

Their 9.63B loader is powered by a 118 hp Perkins engine matched to a hydrostatic transmission.

BUILDERS' ASSOCIATION OF INDIA IS JOINT ORGANIZER OF bC INDIA

bC India can rely on the industry's support when it celebrates its launch from February 8-11, 2011 in Mumbai, India. The Builders' Association of India (BAI) - has agreed to serve as joint organizer of the exhibition. In addition, several Indian and international trade associations are supporting bC India.

The Builders Association of India has


a far-reaching network throughout India with 11 000 direct members and 30 000 construction companies that are indirect members of its various regional associations, BAI speaks for the entire industry. In its role as a joint organizer, BAI will co-locate its annual conference in Mumbai with bC India.

Another Indian partner is the Construction Federation of India (CFI), which is one of bC India's official supporters. CFI mem-

bers represent India's leading construction industry companies.

bC India, organized jointly by Messe München International and the Association of Equipment Manufacturers, has also received a widespread positive response at the international level. The current list of bC India's official supporting organizations includes: Spanish Manufacturers Association of Construction and Mining Equipment (ANMOPYC), Construction Equipment Association (CEA) in Great Britain, China Council for the Promotion of International Trade Machinery Sub-Council (CCPIT-MSD) and Korea Construction Equipment Manufacturers Association (KOCEMA). In addition, bC India will feature international pavilions from Germany, China, Italy, Finland and the UK.

Source: Messe München International Association of Equipment Manufacturers



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NATIONAL ENERGY BOARD APPROVES KEYSTONE XL PIPELINE PROJECT

The National Energy Board (NEB) recently approved an application from TransCanada Keystone Pipeline GP Ltd. (TransCanada) to construct and operate the Keystone XL Pipeline Project, as well as the proposed tolls for the pipeline once it becomes operational.

The NEB found the proposed pipeline to be in the public interest and accepted that the project would connect a large, long term and strategic market for Western Canadian crude oil with the U.S. Gulf Coast in a manner that would bring economic and other benefits to Canadians.

The Canadian portion of the project involves the construction and operation of approximately 529 km of new pipeline and related facilities. The \$1,7 billion project will transport crude oil from Hardisty, Alberta to the Canada/U.S. border at Monchy, Saskatchewan. It will have an initial capacity of approximately 111 300 m³/d (700 000 b/d) of crude oil and is designed to be expandable to 143 100 m³/d (900 000 b/d).

The NEB's approval to proceed with this project includes 22 conditions, all of which must be met before TransCanada will be granted permission to open the pipeline. Key conditions target safety, protection of the environment and landowner rights. The Board also imposed an obligation to monitor greenhouse gas (GHG) emissions.

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TransCanada is required to file with the Board, for approval, a quantitative assessment of GHG emissions expected to directly result from the Keystone XL Pipeline and its associated facilities. In addition the company must outline the methodology it used, what variables might affect those results, and describe mitigation measures to reduce emissions. This latter condition was fully accepted by TransCanada and reflects Canadians' evolving interest and

expectations regarding Canada's pursuit of a sustainable energy future.

Source: National Energy Board

ENPAR COMMISSIONS AMMONIA TREATMENT SYSTEM FOR A GOLD MINE LOCATED IN NORTHEASTERN ONTARIO

Dr. Gene Shelp, president and CEO of ENPAR Technologies Inc., is very pleased to announce that, on March 10, 2010, ENPAR technical staff completed the

commissioning of its patented, full-scale commercial ammonia treatment plant at a mine site located in northeastern Ontario.


Environmentally hazardous ammonium-nitrate is a common form of blasting powder employed at most mining operations around the world. During cold weather months, many countries experience temperatures below 10°C and the effectiveness of conventional biological systems for the treatment of ammonia is limited. The patented ENPAR AmmEL-LC System has proved to be highly effective at converting ammonia to environmentally friendly nitrogen gas at low temperatures. Unlike conventional approaches, the ENPAR system does not produce harmful by-products such as nitrate nor does it emit the greenhouse gas, nitrous oxide (N₂O). AmmEL-LC offers the advantage of year-round treatment and discharge of wastewater and satisfies federal government environmental guidelines and mandates.

Dr. Shelp commented, "The commissioning of this full-scale AmmEL-LC System marks an important milestone in the progress of ENPAR. We commend the Mining Company for its commitment to responsible water management and are grateful for its confidence in the effectiveness of our technology as the best available water treatment system for ammonia. Ammonia in waste water represents a serious problem for the mining industry, municipal wastewater treatment facilities, and specific chemical industries worldwide. Management believes that this commercial success will provide impetus to mining companies and waste water facilities to investigate and purchase ENPAR's novel, environmentally friendly technologies."

Source: ENPAR Technologies Inc.

NORTHGRID SOLAR OPENS REGIONAL OFFICES IN OTTAWA AND SAULT STE. MARIE

NorthGrid Solar is pleased to announce the opening of two new regional offices to serve customers in Eastern, Central and Northern Ontario. Based in Ottawa, Eric Manherz and Steve Langlois have been appointed regional directors and will serve clients in Eastern Ontario. Both are involved in commercial real estate and will offer NorthGrid Solar partners outstanding customer service. Roy Bortolussi of Sault Ste. Marie has been appointed regional director for Northern Ontario. He brings a

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solid business background including commercial real estate experience.

"We are delighted to welcome these colleagues to the NorthGrid Solar team," said Carlo Di Gioacchino, president and CEO of NorthGrid Solar. "Local representatives, knowledgeable in both commercial real estate and solar technology, will allow us to better serve our customer base throughout the province." This expansion is part of NorthGrid Solar's ongoing investment in response to the recently introduced Ontario Feed-In Tariff (FIT) program encouraging private developers to deliver renewable sources of energy directly to the Ontario power grid. NorthGrid Solar is currently involved in numerous solar PV projects in Ontario including both roof-top and ground mounted systems.

With the recent announcement of FIT approvals from the Ontario Power Authority, NorthGrid Solar is positioned to offer full turnkey engineering, procurement and construction solutions as well as maintenance and financing.

Source: NorthGrid Solar Inc.

SNC-LAVALIN AWARDED CONTRACT FOR FERTILIZER PLANT IN SOUTH AFRICA

SNC-Lavalin is pleased to announce that it has been awarded a contract by Sasol Nitro to provide engineering, procurement and construction management (EPCM) services for a new 400 000 t/y calcium ammonium nitrate (CAN) production plant in an existing chemical complex in Secunda, South Africa.

SNC-Lavalin's involvement with this project started in 2008 with a conceptual study, followed by the basic engineering in 2009, and finally this EPCM contract. The plant is scheduled to be completed in 2011.

"This contract is a significant achievement for our Fertilizer Division, and for the presence of SNC-Lavalin in Southern Africa," said Georges Sontag, vice president, Operations, Industrial Processes and Power, SNC-Lavalin Europe.

CAN is a specific concentrated fertilizer that is delivered in solid granules. It is formed by mixing pure melted ammonium nitrate with an appropriate dolomite and then granulated. The granulation will take place in a fluidized bed granulator designed by SNC-Lavalin's Fertilizer Division in Brussels.

"The technology we will be using on this project yields a high-quality product

and achieves energy-efficient operations," said Jean Claude Pingat, executive vice president SNC-Lavalin Group Inc. "Sasol selected SNC-Lavalin after a thorough investigation of the proposed technology and its successful application on other projects."

The total project cost is approximately \$96 million.

Source: SNC-Lavalin Group Inc.

GENIVAR INCOME FUND ACQUIRES A MULTIDISCIPLINARY FIRM

The GENIVAR Income Fund is pleased to announce the acquisition of The Thompson Rosemount Group Inc., an Ontario-based firm. As a result of this acquisition, GENIVAR's Ontario workforce has now topped the milestone of 1000 employees.

Thompson Rosemount's roots date back to 1956. With offices in Cornwall, Ottawa, Kingston and Guelph, the firm has over 100 employees and offers multidisciplinary services in the areas of building engineering, municipal infrastructure, transportation and architecture. The firm's clients include various municipalities in Eastern Ontario,

The Federal Bridge Corporation Limited, Seaway International Bridge Corporation, Upper Canada District School Board, Catholic District School Board of Eastern Ontario, St. Lawrence College, Mohawk Council of Akwesasne, Correctional Services Canada, The Ottawa Hospital, DMS Property Management and Ontario Power Generation.

Source: GENIVAR Income Fund

SHERWOOD GROUP OF COMPANIES PARTNERS WITH BID2WIN SOFTWARE

BID2WIN Software Inc. is pleased to announce its recent partnership with the Sherwood Group of Companies, a leading Midwest contractor with divisions in Kansas, Oklahoma and Colorado.

With over 75 years of experience in heavy grading projects, urban expressways, utilities and site development, The Sherwood Companies are committed to the principles on which the organization was founded—service, dependability, workmanship and honesty.

Sherwood's commitment to excellence also includes staying up to date with

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industry leading technology; and having an estimating and bidding solution that streamlines all aspects of the organization is critical.

"We have multiple companies within the organization; each with their own location, identity, resources, wage schedules, equipment rates, etc. The Sherwood Companies needed an estimating solution with flexibility and multiple database capabilities, yet capable of being supported from a central location. We found it in the Enterprise Edition of BID2WIN Estimating & Bidding," explains Alan Farrington, vice president.

Sherwood will also be implementing BUILD2WIN Field Tracking – BID2WIN Software's browser-based field data tracking and analysis solution. With

BUILD2WIN, Sherwood will be able to seamlessly transfer estimate information from BID2WIN, allowing executives, project managers, field engineers and foremen to view and track real-time status information about projects.

"Our field supervisors are really looking forward to our future implementation of BUILD2WIN" says Mr. Farrington. "They've only seen a 30 minute demonstration of its capabilities, but they want it as soon as they can get it."

Source: BID2WIN Software Inc.

VOLVO SELLS RIGHTS TO SUPERPAC PARTS

Volvo Construction Equipment North America sold the rights to manufacture and sell service and replacement parts for all models of the SuperPac compaction line

to MinnPar, LLC, a subsidiary of PartsZone, LLC.

Since 1982, MinnPar has been the trusted source for OEMs seeking a cost-effective solution to the aftermarket service parts management of non-core and discontinued product lines.

"Our value proposition is a true win-win for SuperPac customers and for Volvo," commented PartsZone CEO Shirish Pareek. "Our main business is to cost-effectively manage the end-of-life service parts business for industry leading products, allowing OEM's to focus their attention on improved performance and customer service for current and core product lines. We provide exceptional technical and parts support to our dealers worldwide."

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

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

Source: Volvo CE North America, Inc.

MB Amazes Once Again with its Universal Quick Coupling

MB S.p.A., the Italian company world leader in the production and sale of crusher buckets, never ceases to amaze: as of 2010, the company puts its name on a brilliant idea, the Universal Quick Coupling, a winning piece of equipment thanks to which on-site jobs are made as easy as possible.

Available in seven versions, depending on the excavator and the pin on which it is assembled, the new Universal Quick Coupling allows all kinds of equipment, from the crusher bucket to the hammer, from the traditional bucket to the drill, to be fitted to the same excavator in a very short time.

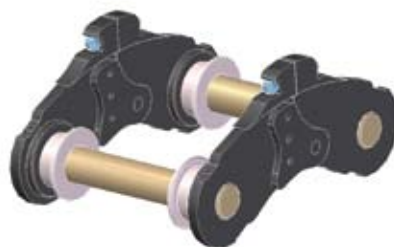
This new product by MB therefore improves pick-up geometry by reducing the distance between the excavator arm and the equipment used, thus speeding up the jobs carried out on-site.


And that is not all. The strain on the excavator is also diminished, thanks to reduction of more than 50% of the weight compared to traditional couplings offered on the market.

This universal coupling is quick and versatile and makes assembly operations easy thanks to the possibility of quickly assembling the attachments on both sides (front and back).

MB S.p.A. is on the front line in the demolition and recycling sector. The constant research by a competent team ensures that the company will always be one step ahead by offering work tools that are an absolute must at construction sites.

Source: MB S.p.A.



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ALTEC ACQUIRES MORSE MANUFACTURING

Altec Northeast, LLC, a wholly-owned subsidiary of Altec, Inc., announced that it has finalized the acquisition of certain assets of Morse Manufacturing located in Sterling, Massachusetts.

"This acquisition provides Altec with a unique opportunity to offer additional choice and value to our customers in New England and the Mid-Atlantic", said Lee Styslinger, Illinois, president and CEO of Altec, Inc. "Morse has a well-established reputation for producing reliable, quality products for over 125 years. They have been a leading supplier of aerial device equipment for the utility industry, and their modern final assembly plant in Massachusetts will be an excellent complement to Altec's comprehensive network of manufacturing and service facilities located throughout the United States and Canada."

Altec plans to continue utilizing Morse's facility in Sterling, for final assembly of truck-mounted aerial lifts, digger derricks, cranes and bodies for customers located in New England and Mid-Atlantic states.

Altec, Inc is the holding company for the world's leading manufacturer of aerial lifts, digger derricks, truck-mounted cranes and specialty equipment for the electric utility, telecommunications, contractor and tree care industries. Altec has manufacturing, sales and service facilities located throughout North America and sells and services equipment in over 100 countries.

Source: Altec, Inc.

PALFINGER ACQUIRES MAJORITY STAKE IN ETI

The Palfinger Group continues its growth strategy and is acquiring an 80% stake in Equipment Technology, LLC (ETI). The U.S. company headquartered in Oklahoma is one of the top players in the field of aerial lifts in the North American market.

ETI has a long history as a manufacturer and customer service solution provider and initially focused its operations on the South West of the U.S. Its continuous growth was also supported by the acquisition of a majority interest in the service crane manufacturer Ideal Crane in 2007.

This is a major strategic step for Palfinger. It enables the Group, which had not been present in the North American market with aerial lifts before, to enter this segment with local products.

Source: Palfinger AG

JCB AND VOLVO SIGN FRAMEWORK AGREEMENT ON SKID STEER & COMPACT TRACKED LOADERS

JCB and Volvo Construction Equipment have entered into a framework agreement under which they will cooperate on the engineering and manufacturing of skid steer loader and compact tracked loader products for distribution under their respective brands and through their respective global dealer networks.

It is envisaged that the first mono boom Volvo branded machines will be in production at JCB's Savannah, Georgia facility by year end 2010. Volvo Construction Equipment will then transition skid steer loader models over time from its Pederneiras facility in Brazil.

"This agreement will allow us to

combine forces in this key product area enabling both brands to compete more effectively," commented John Patterson, deputy chairman of JCB.

"Volvo customers will benefit from a wider range of models that maintain the high level of product safety and functionality that they expect," added Olof Persson, Volvo Construction Equipment president.

Source: Volvo Construction Equipment

KOMATSU-CUMMINS PARTNERSHIP PRODUCES 500 000th ENGINE AT OYAMA

The Komatsu-Cummins Engine Com-

pany (KCEC) in Japan has achieved a major manufacturing milestone with the recent production of the 500 000th engine from the Oyama joint venture operation.

"Reaching the half-million engine mark represents another significant achievement in the long-established partnership between Komatsu and Cummins, which is widely regarded as the most successful and enduring in the off-highway industry."

The joint venture has also announced that the Oyama engine plant will move forward to produce the next generation of Tier 4 low-emissions engines for parent

Brand New CityCat 1000, Ideal for Sweeping Jobs in Confined Areas

Bucher Schörfling is launching the new CityCat 1000 compact sweeper as a perfect addition at the lower end of its wide range of efficient, professional and proven sweepers. Like all the larger models, the CityCat 1000 is particularly robustly built, safe and reliable in operation.

The CityCat 1000 is powered by an environmentally-friendly, oil-cooled Deutz 3-cylinder diesel engine and comes either with front-wheel steering or optionally with four-wheel steering for maximum

maneuverability and directional stability. With its slender frame, the machine is ideal for operating in even the tightest of spaces. Its superb agility has always been a hallmark of Bucher Schörfling sweepers, as is its premium Swiss quality.

With its overall height of less than 2 m and a machine width of barely more than 1 m, the CityCat 1000 is the ideal sweeper for all confined spaces and areas with limited access. It is the perfect solution for sweeping larger premises, car parks, shopping centers, factory sites and housing estates. Needless to say, another of its strengths is cleaning urban environments with cramped pavements and narrowed streets like those in traffic-calmed residential areas.

Two large leading brushes, each with a diameter of 700 mm and hydraulic brush pressure adjustment, sweep a path up to 2,2 m wide. Both the brushes are mounted on robust arms, designed kinematically to allow independent brush control and let the brushes swing out of the way of obstacles on encountering too much resistance. The brush speed is infinitely variable.

The CityCat 1000 is incredibly simple and convenient to maintain and service. All the engine components are clearly arranged, with quick access provided by easy-to-open service panels featuring magnetic closures. Superior ease of maintenance is just one more aspect that makes this sweeper a truly professional machine.

Source: Bucher Schörfling



companies Komatsu Ltd. and Cummins Inc.

"Reaching the half-million engine mark represents another significant achievement in the long-established partnership between Komatsu and Cummins, which is widely regarded as the most successful and enduring in the off-highway industry," said Eric Neal, general manager of Cummins-Komatsu Business Worldwide.

"The KCEC engine plant is highly regarded by both Komatsu and Cummins for its outstanding levels of quality, productivity and commitment to delivery. The introduction of the Tier 4 Interim engines at KCEC from 2010 onward will mean the plant will be ready to power the next generation of low-emissions, more fuel-efficient construction equipment," he added.

A highly flexible manufacturing system enables the KCEC facility to build engines to specific Komatsu and Cummins configurations derived from common base engine platforms.

The 3,3 l, 4,5 l and 6,7 l displacement engines currently produced at the Oyama plant will move forward with performance-enhancing technology to meet Tier 4 Interim regulations as they are phased in by power band and effect date in Japan, North America and Europe. The current 8,3 l engine produced at Oyama will be available for Tier 4 as a 9 l version, offering a higher power output.

The Komatsu-Cummins Engine Company (KCEC) joint venture between Komatsu Ltd. and Cummins Inc. was established in November 1993 at the Oyama Industrial Park in Tochigi Prefecture, Japan. The first B Series engine was produced in November 1995. KCEC is an integral part of both Komatsu Ltd. manufacturing operations and Cummins worldwide MidRange engine manufacturing operations. In April 2001, the KCEC plant was the first construction equipment facility in Japan to be recognized for achieving zero emissions.

Source: Cummins Inc.

EXPLORER'S CONTRACT MANAGER NAMED AS ONE OF THE TOP PRODUCTS FOR 2010

Explorer Software Group is pleased to announce that the latest version of its flagship product, Contract Manager Version 7, an ERP solution for the construction industry, has been recognized as one of Constructech Magazine's Commercial Top Products for 2010.

Top Product winners were selected on

the basis of innovation and successful results in the marketplace by the Constructech editorial team. "The products named as Constructech Top Products in the commercial sector this year come from some of the leading-edge technology providers within the construction industry," says Peggy Smedley, editorial director of Constructech. "As today's technology evolves, so too must the solutions avail-

able to contractors. And, these innovative solutions will drive technology initiatives into the next generation."

Explorer Software Group continues to push the boundaries of today's technology to bring enhanced functions and features to their software solutions. Version 7 of Contract Manager embraces new technologies and brings improved functionality to all aspects of the software. "Construction

Data Logger Selection Guide Now Available from Dickson

Finding best-match technology for monitoring temperature, humidity, pressure, or electronic signal events can now use the online step-by-step resource guide available from Dickson Company, which offers the widest selection of data loggers and chart recorders for these monitoring purposes.

Multiple selection factors are provided including instrument displays, remote probe availability, alarm options, wireless/Ethernet/battery-operated or outlet-powered, operating ranges and cost. Users are able to drill down and mix and match various features until they identify the range of instruments that match their specifications.

Chris Sorensen, Dickson VP Sales and Marketing, comments, "We know that the data logger or chart recorder that is the best fit for one user's application may not work well for another, and we maintain the world's widest selection of top-quality instruments to ensure you'll never have to make do with a less than optimal instrument match to your application."

Source: Dickson Company



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professionals are looking for the solutions that can give them the most bang for their buck. They are looking to make their companies better with the implementation of technology, as well as keep up with the latest trends in the construction industry," says Mike Carrozzo, chief editor of Constructech. "The technology firms with products meeting that demand may prove to be the most successful."

Source: Explorer Software Group

RITCHIE BROS. MOVES TO EXPANDED LOCATION IN CHILLIWACK

Ritchie Bros. Auctioneers celebrated the Grand Opening of its new Chilliwack, British Columbia, permanent auction site with an unreserved public auction and ribbon-cutting ceremony on March 24, 2010. The new Chilliwack site, located approximately one hour east of Vancouver replaces the Company's 30-year-old Surrey auction site.

The new 9,7 ha auction site is approximately three times the size of the former site in order to service more bidders and consignors, and a larger selection of equipment.

Source: Ritchie Bros. Auctioneers

TEREX LAUNCHES DEDICATED USED EQUIPMENT WEBSITE

Terex now makes it easy for customers to shop for and purchase used equipment with the launch of www.terex.com/used. This online resource allows construction contractors to access spec information, photos and MSRP on used construction, roadbuilding and aerial work platform equipment for sale through Terex.

"We know that customers today are making equipment decisions differently because of the economy," said John Poag, operations sales manager, Terex Construction Americas. "Savvy contractors know that buying used equipment can be a smart way to reduce investment cost and increase profit margins. To make it simple for our customers to find the equipment they are looking for, Terex has listed all

available used equipment inventory on www.terex.com/used, allowing customers to 'shop' 24 hours a day, 7 days a week for what they need."

To determine if now is the right time to invest in "new" used equipment, Mr. Poag suggests that customers do a simple acquisition cost versus utilization rate analysis. "Some questions to consider are: Will this piece of equipment allow you to do more specialized jobs? Will it allow you to do your current jobs more quickly and efficiently? Will having this piece of equipment allow you to do jobs that your competitors are not capable of," says John

Poag. "All of these questions will help determine if used is a better option than new."

Once a customer selects a piece of equipment to purchase from www.terex.com/used, representatives from Terex Construction Americas and Terex Financial Services enlist the customer's nearest authorized Terex distributor to complete the sale. "Our goal is to connect our customers with Terex distributors for financing, service, parts and future equipment needs," says Mr. Poag.

Source: Terex Corporation

Barriertech – Stops Rocks, Slides and Avalanches

Whether natural occurrences or man-made, rock falls, landslides and avalanches can be sudden and catastrophic for people and property. No wonder that, across the world, much time, money and expertise is invested in predicting and containing these events.

Located in Aalen, close to the German Alps and no strangers to the extremes of nature, RUD has been applying 130 year of experience in chain technology and advanced alloys to developing an effective defensive system.

Barriertech will be the first containment system to be certified as fit for purpose.

A suspended netting system, Barriertech's energy-absorbing elasticity has been tested according to ETAG27 and, although capable of taking take as much as 5000 kJ, is guaranteed to a safe limit of 3000 kJ.

Barriertech can protect highways and railway tracks from stray boulders and "catch" landslides

and avalanches before they can overwhelm the terrain and structures in their path.

Bauma, the showcase for proven and innovative products and services is the venue RUD has chosen to introduce Barriertech to the world's civil engineering, quarrying and mining industries.



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RUD-Barriertech  C2, 311/406

Small Loader with a Big Heart

Clover Flat Landfill, in St. Helens, California, is a Construction and Demolition (C&D) facility located a short distance from Upper Valley Disposal & Recycling. The operation began about a year ago when company president Bob Pestoni noticed that a lot of the refuse being dumped at the landfill could be diverted for scrap.

Adam Waters, operations manager explains that diverting this material for scrap recycling improves the environment by reducing the amount of material going to landfills and by reducing the amount of raw material that must be taken out of the earth to make room for it. "For the diversion program, we aim for 60-70%, and on average we are probably pretty close to that," he says, adding that with current volume reaching 100 t each day, he has already seen a significant decrease in the amount of material ending up at the landfill.

"The single most common material pulled from the landfill is wood waste including construction lumber which generates about 10 to 15 t a day. All of that used to go to the landfill," he says.

The wood waste is extracted and ground up with much of it coming off of the picking line at the C&D facility and run through a screener. Some of the wood chips get sold and the rest gets composted. "Nothing goes to waste," says Adam Waters who speculates that Mr. Pestoni will find even more uses for it in the future. "Perhaps the wood can be used for biomass energy. Maybe even use it to generate power for the facility some day," he says.

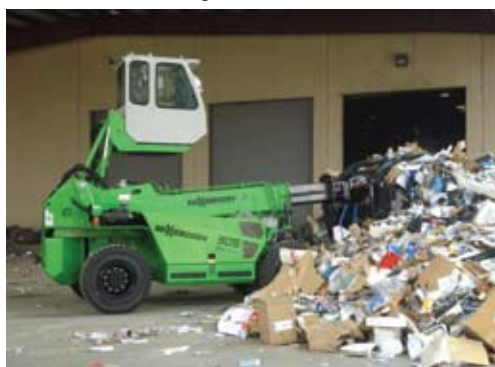
With nine out of the company's 13 employees working on the picking line, much of the work is done by hand or with the assistance of traditional front-end loaders with bucket and thumb attachments. However, it was obvious there was something more the company needed as it sought to improve productivity and efficiencies. They found it in the Sennebogen 305 Multihandler. As part of the company's green line, it is the world's first Multihandler featuring a hydraulic hi-rise operator's cab with an eye level of 4,0 m and being able to reach a lifting height of 7,3 m. This



unique machine, with an operating weight of 11,3 t, is outfitted with a 124 hp engine.

GREATER REACH AND LOADING ABILITY

The Sennebogen 305 Multihandler is well suited for all loading operations (including sea container loading with special attachments) as well as lifting operations that require extra reach. The hydraulically controlled quick-change mechanism with an extra-wide quick-change plate has a very large tip angle, offering optimal shovel control. This ensures clean, fast and efficient tipping with minimal debris lost during travel as well as minimum



material left in the bucket when dumping. Some models also have an optional longer XL telescopic boom. This provides the operator with an extended reach and lift height of 9 m. Greater reach and loading ability means that the operator can access heights and dump materials that traditional telehandlers or forklifts cannot do.

"Our wheel loaders don't even come close to doing all of that or getting up that high. We would have to build a ramp to load our trailers with our CAT 966, and a Skytrak wouldn't work as well either because it's not made for tamping down the material in the drop box. The bucket on the 305 drops down two to three feet so we

can actually reach down into the box and tamp the material down so stuff doesn't fall out. That's what I really like. We just don't get that kind of reachability with the other loader," says Mr. Waters. This is also a practical benefit when using high side trailers to get the material to the landfill as the 305 allows them to tamp everything down for a safer trip down the road.

A BIRD'S-EYE VIEW OF THE JOB

Its dimensions, measuring only 4,8 m long, 2,5 m high and 2,48 m wide, combined with three different steering systems including crab steering, all wheel



steering and front wheel steering allow the Multihandler to work in tight areas which is a key feature for operators at Clover Flat Landfill.

However, one of the Multihandler's most unique features is one that Mr. Waters appreciates the most is the innovative hydraulic hi-rise cab. The ability to raise and lower the cab offers operators less guesswork and more precision – to better see where they are going, what they are moving and where they are taking it, giving them a bird's-eye view of the job.

Source: Sennebogen LLC

Peterbilt Launches Model 320 Hybrid

Peterbilt Motors Company recently announced the limited production availability of the Model 320 Hybrid Class 8 refuse truck. The low-cab-forward Model 320 Hybrid utilizes Eaton's Hydraulic Launch Assist™ (HLA) technology and is ideal for vocational stop-and-go applications such as refuse collection.

"Testing has proven that the Model 320 Hybrid powered by Hydraulic Launch Assist Technology is an ideal environmental option for refuse



applications," says Bill Jackson, Peterbilt general manager and PACCAR vice president. "Municipalities and refuse customers have realized dramatic improvements in fuel economy and significant reductions in emissions and maintenance costs while operating the Model 320 Hybrid."

The Model 320 Hybrid is the fuel-efficient solution for municipal and residential solid waste transportation fleets who work in urban areas requiring clean, quiet operation. The Model 320 Hybrid was engineered to meet the reliability demands of refuse collection routes with 800-1200 stops per day.

The highly fuel-efficient hydraulic system captures the truck's kinetic energy during braking to assist in launching and accelerating the vehicle. The HLA technology works by recovering up to 75% of the energy normally lost by the vehicle's brakes in the form of pressurized hydraulic fluid. This fluid is stored until the driver next accelerates the vehicle which reduces fuel consumption and wear on the engine. Testing has proven a significant reduction in maintenance costs, and indicated the potential to reduce annual brake replacement costs by 3 to 4 times over a similar non-hybrid baseline truck.

In "fuel economy mode," savings occur when stored energy is used to launch the vehicle without power from the primary engine. In "performance mode," the stored energy is released and blended with engine power at launch. Here, a double-digit savings in fuel economy can still be realized, along with an 18% improvement in acceleration.

Source: Peterbilt Motors Company

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A worker in a green safety vest and hard hat is using a P.A.M. concrete removal tool on a bridge. The tool is mounted on a yellow frame and is being used to remove concrete from the bridge deck. The background shows a city skyline with several tall buildings.

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Tighter Emission Levels Challenge the Construction Machinery Industry

Messe München International

A major theme among the innovations to be expected at bauma 2010 in Munich will be cross-sector approaches to reducing emissions. The International Trade Fair for Construction Machinery, Building Material Machines, Mining Machines, Construction Vehicles and Construction Equipment is taking place just a few months before new emissions directives come into force: from 2011, with the Stage III B Directive 97/68/EC for Europe and Tier 4 U.S. emissions legislation, new interim limits will apply to emissions from non-road vehicles, such as excavators, road rollers and cutters. For example, particulate levels are to be reduced by up to 94% in comparison to the current Stage III A.

EXHAUST AFTER-TREATMENT ABSOLUTELY IMPERATIVE

In order to achieve this ambitious target, the measures that have been used up to

now for internal engines, such as mechanical and electronic control units, common rail systems, electric charging and exhaust gas recirculation, will no longer be adequate. "The new directives will make exhaust after-treatment systems for equipment over 50 hp absolutely imperative," says Gunnar Stein, 'Off Road' product line manager for AVL GmbH in Graz, Austria. AVL is considered one of the world's leading companies in the development of drive systems. It advises and supports many famous engine and machinery manufacturers, who will convene at bauma, the leading construction machinery fair.

- Variant 1: Exhaust gas recirculation and particulate filters

According to the experts there are two main technological routes to achieving the necessary reduction in emissions. One way is to reduce the level of nitrogen oxide by recirculating the exhaust gas in the engine. The resultant increased particulate emissions must then be collected in a particulate filter. One disadvantage of this system is that the exhaust gas must be cooled before recirculation. "We can expect up to 25% greater heat input into the cooling system in comparison to Stage III A engines," explains Gunnar Stein. "This will require larger cooling surfaces and possibly higher fan performance. The former means the engine and vehicle manufacturers will face a problem

with space in the engine compartment, and the latter means an additional energy user will be required."

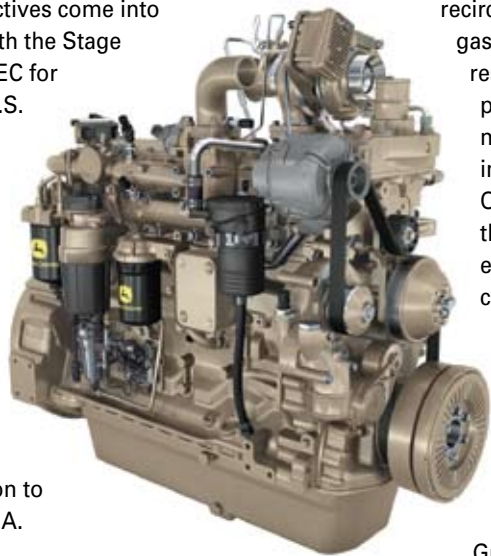
- Variant 2: Combating nitrogen oxides with SCR systems

In the second technological route the engine is adjusted to low particulate levels. However this means accepting increased levels of nitrogen oxide in the exhaust gas flow. These can then be dealt with using systems involving urea injection (SCR). "Low fuel consumption

certainly makes this system attractive, but an additional operating material has to be used with the urea, which further reduces the cost benefits," explains Mr. Stein. From today's perspective, both systems must be combined in order to comply with the demands of Stage IV, which requires a further reduction in nitrogen oxide levels by up to 88% from 2014.

THE "SIDE EFFECTS" MAKE IT COMPLICATED

"The Stage III B and IV exhaust gas regulations are a challenge for both engine manufacturers and machine manufacturers, because in these exhaust gas stages not just the engine, but also different components in the exhaust after-treatment and its installation conditions play a major



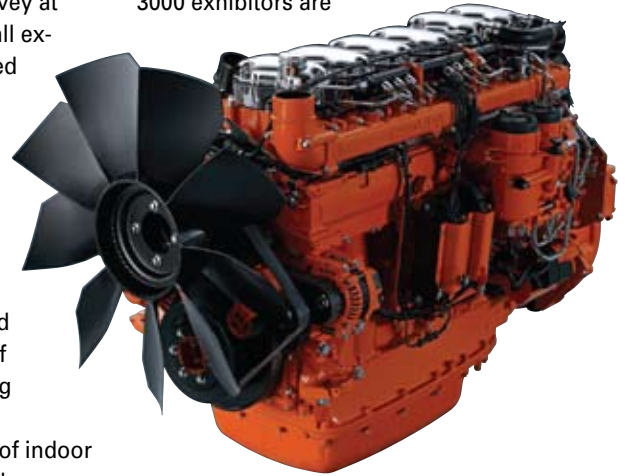
part in complying with the levels," emphasises Frank Diedrich, exhaust gas expert for the VDMA (Verband Deutscher Maschinen- und Anlagenbau), Germany's engineering federation, and the CECE (Committee for European Construction Equipment). "The additional exhaust gas after-treatment has 'side effects', which will strongly influence the development of mobile machines in the future – for example increased noise emission, rising temperatures and the requirement for extra installation space. In addition there will be increased technological complexity in keeping fuel consumption low, and adapting the exhaust gas systems in sometimes less than ideal deployment conditions in the construction industry».



industry worldwide. According to a representative survey at bauma 2007, 91% of all exhibitors who presented innovative products said that they achieved their objective with a very good or good outcome. Also, 92% of all visitors assessed the presentation of innovations at the leading trade fair as very good or good.

This year, a record 555 000 m² of indoor and outdoor exhibition space at the New Munich Trade Fair Centre are being dedicated to a display of the latest products from the international construction, building-materials and mining machinery

sectors April 19 - 25, 2010. More than 3000 exhibitors are



expected to make use of this event, the world's biggest trade fair for the sector, as a platform for innovations and marketing.

PRICE INCREASES SEEM INEVITABLE

Whichever route the manufacturers choose to take, one thing seems certain: prices will rise. According to Gunnar Stein, we can assume that carrying out the measures referred to will see costs for Stage IV engine and exhaust gas treatment almost doubling. "The bottom line is that manufacturers must weigh up the pros and cons of the various technical solutions, so that they come up with not necessarily the cheapest solution, but rather the concept that will be most cost-effective over the whole life-cycle," sums up Mr. Stein.

BAUMA BRINGS TOGETHER INDUSTRY EXPERTISE

The new emission directives will be a central theme for both the international exhibitors and the trade public at bauma, the world's leading trade fair. From April 19 to 25, 2010 at the New Munich Trade Fair Centre, there will be the opportunity to get an overview of the innovations and solutions put forward on this topic by engine developers, component manufacturers and construction machinery producers.

MARKET PLACE FOR INNOVATIONS

bauma has always been considered the definitive innovations' marketplace for the

Cummins Power Generation announced the purchase of the generator set assets of Terex Corporation. The agreement, effective January 22, 2010, increases Cummins Power Generation's rental business capabilities through expanded production operations at its facility in Fridley, Minnesota.

Cummins will assume aftermarket support (parts, service and warranty) for the Cummins Power Generation and Terex rental generator product lines on July 21, 180 days post-sale.

tion has been investing in a comprehensive G-drive product line to help OEMs and delivery partners transition to T4i-compliant products for 2011."

Cummins Power Generation, a subsidiary of Cummins Inc., is a global leader dedicated to increasing the availability and reliability of electric power around the world. With more than 80 years of experience, its global distributor network delivers innovative solutions for any power



In addition to expanding its product offering, Cummins remains committed to providing industry-leading fuel-efficient, high performance low-emissions diesel engines to generator original equipment manufacturers internationally. Joe Feldman, G-drive Sales and Marketing manager noted, "Cummins Power Genera-

need—commercial, industrial, recreational, emergency, peaking and residential. Products include alternators, generator-drive engines and pre-integrated power systems, combining generator sets and power control and transfer technologies. Services range from system design, project management, financing and operation and maintenance contracts to development of turnkey power plants.

Source: Cummins Power Generation

MTU Detroit Diesel to Open New Engine Production Facility in South Carolina

MTU Detroit Diesel, Inc. will be opening a new manufacturing facility in Aiken County, South Carolina, where it will begin building Series 2000 and Series 4000 engines by the end of the year. MTU is a subsidiary of the Germany-based Tognum Group, a global leader in diesel propulsion and power systems.



MTU will take over the former SKF USA plant in the Sage Mill Industrial Park in Graniteville. The 25 000 m² facility will replace the existing assembly plant near Detroit, Michigan and will allow for future expansion as market demand increases over the coming years.

"The new facility in Aiken County is part of Tognum's global strategy to increase manufacturing in the markets where our

In addition to Series 2000 and Series 4000 assembly, MTU will also machine engine parts such as cylinder heads and



products are sold," says Matthias Vogel, president and CEO, MTU Detroit Diesel, Inc. "With it we will have greater flexibility to respond to market conditions and to compete for government contracts where local content is key."

other large engine components that are costly to ship overseas from Germany. Local machining in the U.S. will make MTU less susceptible to currency fluctuations.

Source: MTU Detroit Diesel, Inc.

Hanson Pipes & Precast Replaces Collapsed Metal Culvert with Concrete on Highway 417, Near Ottawa

Hanson Pipe & Precast, a leader in the concrete products industry, provided 15 pieces of 2400 mm diameter concrete pipe on March 2 for the eastbound lane of Highway 417, in Ottawa, Ontario, after road contractors filling potholes discovered the collapse of a deteriorating 30-year-old metal culvert beneath the road. This is the second culvert collapse in two years for Highway 417, and was due to increased water drainage. Hanson responded immediately, supplying the concrete pipe within 24 hours.

"The country's aging infrastructure continues to be an issue of concern particularly with regard to public safety," said Bob Christensen, senior vice president, Hanson Building Products, East. "Hanson was glad to service its community with a structurally sound, sustainable and reliable precast concrete product."

Metal pipes typically have a life expectancy of 25 to 30 years, while concrete structures are engineered to last a lifetime. According to Ontario's Concrete Pipe Association, many of the 50 000 or more

culverts in Ontario, including more than 320 on Highway 417, were installed 30 or more years ago. Pipe failure before the intended life expectancy has been related to pollutants causing earlier corrosion, as well as improper installation, maintenance and poor specification.

"Alternative pipe products require very specific soil conditions and other installation requirements in order to be successful," added Mr. Christensen. "Concrete can withstand large amounts of weight and is not affected by weather, soil or other factors."

Highway 417 was reopened on March 5 and the Ministry of Transportation is



continuing to address the testing of pipes and problem areas in the Province.

Hanson Pipe & Precast is a division of Hanson Building Products North America. One of Hanson Building Products' corporate strategies is continued focus on sustainability. The company is known throughout North America for excellent occupational safety, environmental stewardship, high quality standards and contributions to its local communities.

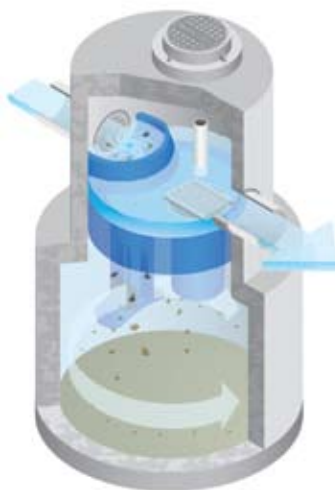
Source: Hanson Pipe & Precast

Hanson Pipe & Precast Supports Environment with Stormceptor® OSR

Hanson Pipe & Precast, a leader in the concrete products industry, is continuing its focus on sustainability and improving the environment with the introduction of the Stormceptor® Oil & Sand Removal (OSR) stormwater quality device - the smallest and most economical stormwater solution. With the same proven performance as the Stormceptor® line of separators, which remove more pollutants from stormwater than any other separator, Stormceptor® OSR removes larger sand particles and spills removal, while improving water quality for minimal time and cost.

"The Stormceptor® OSR offers the quality performance of our Stormceptor® products, but in a more compact, easy to install version that promotes a safer environment," said Bob Christensen, senior vice president, Hanson Pipe & Precast East Region.

The Stormceptor® OSR meets Ministry of Environment (MOE) guidelines, treats approximately 90% of average annual runoff and provides hydrocarbon



spill protection in wet and dry weather. The highly efficient separator achieves greater than 80% removal of 75 µ and larger particles and is optimized for sand removal with increased maximum hydraulic capacity.

"Our infrastructure is in need of efficient, reliable systems," added Mr. Christensen. "The Stormceptor® OSR proves that such solutions do not have to be complex."

Designed to be an economical and easy solution,

the Stormceptor® OSR offers quick installation, saving time, energy and cost. It can be used as a bend structure and its features make it highly compatible with existing infrastructure for new, redevelopment or retrofit applications.

The Stormceptor® OSR includes four complimentary inspections, convenient maintenance and easy unit entrance. With more than 25 000 units worldwide, the Stormceptor® product line provides optimum protection.

Source: Hanson Pipe & Precast



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3D Virtual Reality Depiction of Construction Site Equipment

French software specialist Creative Business Solutions announces new MethoCAD module for construction site management and safety.

An audio-visual module that uses 3D virtual reality software to depict construction equipment deployment and safety along with other aspects of site management, and which is shipped on a USB key, has been introduced by French software specialist Creative Business Solutions.

The module is part of the MethoCAD suite of construction site planning, management and training software.

"The modules are addressed directly to the management on the building site, team leaders and workers," says Albert Fitoussi.

"Virtual reality 3D graphics plus the use of sound allows anyone to put themselves right in the center of a project, even when it is at the planning stage, and so prepare for optimal site management and safety."

The user visualises the various sequences by means of a menu under Windows.

Mr. Fitoussi says that the software allows checks to ensure that, for example, tower crane lifts are safe or that a particular model is suitable for operating in a confined area.

"MethoCAD uses AutoCAD information from manufacturer's libraries to ensure that equipment is represented accurately," he says.

MethoCAD is also proving very popular for making presentations to clients. Easily-generated 3D views illustrate exactly how the scheme will progress. The software also includes virtual reality 'walk-throughs' that enable entire operations to be previewed in 3D.

The system covers tower crane planning, with features to ensure safe loading and avoidance of 'clashes' by checking the minimum clearances between cranes. This can be particularly complex on sites with many cranes where safety cannot be managed without software.

The software takes account of all kinds of other site activities, including the use of earthmoving machinery, trucks, formwork, the permanent works and the routes for

vehicles entering and moving around the site.

Positioning of tower cranes can be

the operator decides to override the safety devices and attempt the job by lifting loads greater than those that are authorized by



checked both in plan and elevation, which is particularly important to ensure safe distances between jibs, counter-jibs, anchor cables and masts for all the cranes on a site.

It also allows for the planning of safe use of mobile cranes, particularly when dismantling tower cranes at the end of a project when space and access are limited.

"In general, companies make preparations for positioning the tower cranes they will use on site but preparations for mobile cranes tend to be neglected," says Mr. Fitoussi.

All too often, he says, "the mobile crane driver arrives on site only to find that access is limited and that the job would require the crane hook to be extended further than permitted values."

Planning the operation in MethoCAD helps avoid the dangerous situation where

the manufacturer.

This module allows the user to check that the operation can be carried out within allowable limits. MethoCAD contains information supplied by manufacturers so that the capacities of different models of crane are accurately represented.

The software checks weights will be safe at particular reaches and shows the loads at each position of the crane hook on a plan view, with concentric circles indicating the limits.

Albert Fitoussi says that Creative Business Solutions has always worked in partnership with manufacturers to make sure that MethoCAD includes up-to-date information on all the key parameters.

Issued on behalf of MéthoCAD by Joem Promotions

Happy 40th Anniversary, Thompson Pump!

Thompson Pump & Manufacturing Co., Inc., a full-service manufacturer and provider of pumps, pumping equipment and engineering expertise, is celebrating its 40th year providing innovative pumps and pumping solutions.



Over the last 40 years Thompson Pump has grown to be a global leader in the portable pump industry and is responsible for pioneering pumps and dewatering methods that have permanently changed the dewatering and bypass pumping landscape. Thompson Pump is poised for another 40 years of innovation, delivering new pump-related solutions to give customers a competitive edge.

"I am proud to celebrate this landmark achievement as it is a record of accomplishment that represents our resilience

in an ever-changing industry," said Bill Thompson, Thompson Pump president. "I credit this milestone to our unique ability to provide a higher-quality pump with skilled personnel to support the product."

George A. Thompson founded Thompson Wellpoint & Rubber Company in 1970 with three employees including himself, and his sons, Bill and George Jr. George Sr. began inventing, patenting, and building pump

products that earned him a reputation for innovation including vacuum-assisted wellpoint pumps, high-pressure jet pumps and diaphragm pumps to service customers throughout the Central Florida area. In 1973, George Sr., an industry pioneer, introduced the first self-priming, positive displacement, rotary lobe pump to the

construction industry for pumping ground water through wellpoint systems. Thompson quickly became the market leader as the rotary pump proved to be very efficient at wellpoint dewatering.

Today, Thompson Pump operates sales, rental and service centers throughout the United States and utilizes more than 30 regional, national and international distributors in the United States, Canada, Mexico and the Caribbean. The company serves the pumping, dewatering and bypass needs of more than 3000 national and international customers including underground utilities, road building, heavy construction and remediation; as well as mining, industrial, and agricultural



operations; municipalities, the military and other government agencies. A full-service manufacturer and provider of high quality pumps, ranging in size from 50 mm to 450 mm, Thompson Pump provides pump rental, sale, design, installation and operation. Their entire line of pumps includes wet and dry-prime trash pumps, utility trash pumps, sound attenuated models, diaphragm pumps, hydraulic submersible pumps, high-pressure pumps and wellpoint pumps as well as bypass systems, wellpoint systems and a complete line of accessories.

It is common to see Thompson's pumps on some of the largest and most challenging projects in the world. Whether the job requires cleaning up an oil spill in Alaska, raising a submarine in the Atlantic, moving an east coast lighthouse, fighting western fires, controlling floods across the U.S., handling an irrigation project in Africa or dealing with a tragic disaster in New York. Thompson Pump is there.

Source: Thompson Pump & Manufacturing Co., Inc.

New Vactor SXP Insulated Water Tank

Vactor Manufacturing introduces the SXP (superlinear XL polyethylene) insulated water tank for the Vactor HXX HydroExcavator™. The thermal water tank retains heated water temperature longer, reducing the likelihood of freezing during operation in



sub-zero conditions and harsh winter weather. The lighter weight tank also reduces fuel consumption while increasing payload availability and hauling capacity.

The 4500 l capacity SXP tank features a double wall design consisting of a 9,5 mm-thick outer shell and a 9,5 mm-thick foam liner.

The industry-leading Vactor HXX HydroExcavator is versatile enough to handle potholing, waterline repair, slot trenching, directional drilling, sign and pole installation, pipe and line installation and other large-volume excavation.

Source: Federal Signal Corporation

Students Design the High-Visibility Pothole

Potholes on the road could be much easier to spot in future, thanks to a design idea created by students at the Milan Polytechnic in Italy.

Domenico Diego and Cristina Corradini have designed the "Street Safe Initiative" which comprises a brightly-coloured layer of asphalt a few centimeters beneath the surface of the road, which becomes visible when the road surface breaks up, making potholes easier to see and avoid.

The unique design will be trialled later this year in Rho, a small town close to Milan, to determine if the project is viable and cost effective, after which they plans to market the product.

"We have compared the road surface to the human skin – when we are wounded, we start to bleed. So our idea is to put a layer of yellow asphalt beneath the tarmac, which appears and creates a high chromatic contrast that is visible from a distance. This way, the potholes are signalled as they appear and road users have enough

time to react safely," said Mr. Diego.

Duncan McClure Fisher, managing director of Potholes.co.uk, said: "This is an innovative way to make potholes more visible to road users and to help reduce the damage caused to vehicles. We're all for pothole solutions that protect the motorist from potential car damage or personal injury, but the solution is not entirely practical and it doesn't tackle the real issue of preventing potholes in the first place."

Mike Conway, managing director of highway maintenance and construction firm, FM Conway, said: "It's a novel idea but it's not the right solution right now. To make layers of tarmac stick together we

use a bituminous coating that acts as a glue and you'd have to go right back to the manufacturing stage and work out how to



make it bright yellow. We should be looking at how to reduce costs by doing the job right in the first place, rather than creating expensive solutions that only have an effect once the pothole is already there."

Source: Potholes.co.uk



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Python Introduces the Python 5000

Python Manufacturing is proud to introduce the new generation of its revolutionary one-person operated pothole patcher – the Python 5000.

The 5000 is the only one-person operated pothole patcher that uses any standard hot or cold asphalt mix. You can either fill up at the nearest asphalt plant, or use a cold mix which is readily available and can be stored indefinitely.

Les Hulicko, Python president and developer of the Python 5000, says, "The patches are of such high quality that they can outlast the pavement around them."

The 5000 can operate in all kinds of weather – meaning road repairs do not need to stop in the winter. Mr. Hulicko points out, "With this machine, you can get a lot more roads in good shape in a lot shorter time." A single operator using the Python 5000 can go through approximately three times as much asphalt as a crew using traditional methods would go through in the same amount of time.

Stated another way, the 5000 can cover approximately three times as much ground, or fix three times as many potholes as could a crew using traditional methods.

Even more important, the operator of a Python 5000 stays safely inside the machine during the entire operation. A crew, on the other hand, is exposed to the traffic, which regularly results in serious injuries and fatalities.

Python's pothole patcher has been used very successfully and profitably for many years. The new 5000 has several new features, including an ultra-comfortable cab, and an optional electric generator for

keeping asphalt warm overnight.

Python Manufacturing Inc. also manu-

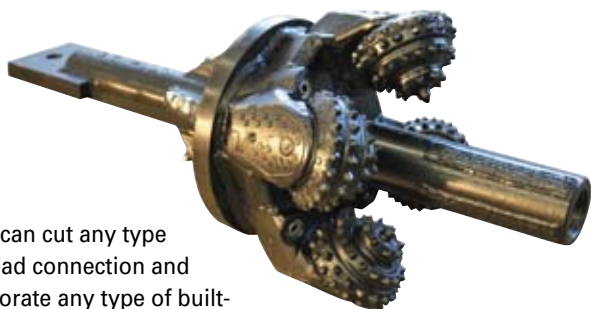


factures a full line of top-quality street sweepers, with more than 30 years of experience in building quality pavement maintenance equipment.

Source: Python Manufacturing

UTI Offers Custom-Built Hole Opener Line

Underground Tools, Inc., Lino Lakes, Minnesota, recently announced a new line of custom-built hole openers for HDD applications. With information regarding the type of rock formation or the PSI of the rock, UTI can build a hole opener specifically designed for that particular job.



UTI can cut any type of thread connection and incorporate any type of built-in stabilizer option. Hole openers are available from 20 cm OD to 150 cm OD.

Underground Tools, Inc. manufactures a wide range of wear parts for the underground construction industry, specializing in trencher and horizontal directional drilling ground engaging parts. All UTI products come with exclusive DirtSmart® technical service where questions are answered by the industry's most knowledgeable technical support team.

Source: Underground Tools, Inc.

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Major Project in One of the Most Expensive Cities in the World

Classified as one of the most expensive cities in the world, Luanda is the capital and largest city of Angola, a former Portuguese colony in south-west Africa. Conditions have been gradually stabilizing since the end of the Civil War in 2002, and reconstruction is in full swing – thanks also to the country's vast mineral resources.

Building work is in progress all over the country.

BAUER Spezialtiefbau GmbH from Schrobenhausen, Germany, has been active in Angola since 2002 and established BAUER Angola Ltd. in 2007. The company is currently working on a number of projects, the largest of which is the Teatro Avenida, a residential and business complex in the center of Luanda.

The 20-storey building will incorporate five levels of underground parking, several floors of office space and apartments, and

a gym. The ground floor and first floor will house a theater and other entertainment facilities. Bauer Angola has been involved in the project right from the preparatory phase, among other reasons because the existing 42 m deep excavations were insufficient. The base of the foundation piles put out to tender lies as much as 51 m



below ground, and nothing was known about the soil directly beneath the foundation level. Consequently, four holes down to a depth of 55 m were drilled prior to starting the contract, and two pile tests under twice the working load (2 x 550 t) were carried out as final preparations.

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For the actual building foundations 220 piles in lengths of up to 31 m were produced. The excavation base of the underground levels extending down to a depth of 21 m necessitated corresponding empty bores, so the bores had to be sunk down to depths of up to 51 m. Two BAUER BG 28 rigs were deployed. Then 10 m of casing (1180 mm) was set, down to 32 m depth dry-drilled using a drilling tool (1060 mm). Down to the final depth the bore was supported by bentonite slurry. After sand, stone, silt and clay, the bottom layer – again comprising sand – contained confined ground-water. This is influenced by the Atlantic Ocean, which is just 300 m away, so all the piles had to be constructed from the current surface level.

At present the 44 staff – working day and night – are using a BAUER GB 60 grab unit to construct 6000 m² of diaphragm wall (800 mm thick, 30 to 33 m deep) as a temporary retaining wall for the basement levels. The diaphragm wall is being tied back by almost 900 anchors in 19 to 24 m depths, using a KLEMM KR 806 and a BAUER UBW 06. Anchor sleeves are being built in to the reinforcement cages of the diaphragm wall in order to prevent subsequent coring of it.

All the anchors have to be executed below the ground-water level. To finally lower the ground-water, six wells will have to be sunk at a depth of 23 m each.

The project – Bauer Angola's largest to date – is scheduled for completion in August. The next major contract, involving the foundations for seven bridges, has already begun.

Source: BAUER Spezialtiefbau GmbH

 ext. F6 604/1/406

Appointment

Yves Pronovost, general manager for **Uniquip Canada**, is happy to announce the appointment of **Keith Berry** as sales representative for the Ontario Region.

Mr. Berry is originally from Lachute, Quebec, and has a degree from Guelph University. He has spent many years in the power equipment trade as well as the rental industry. He has worked with Husqvarna for many years as a territory manager and has known many successes there. He has also spent several years with Steen Hansen Racing and Power Products and Josa Corporation who distributed at the time the Jonsered products.

Uniquip customers will be able to count on the recognized expertise of Keith Berry.

Source : Uniquip Canada, (613) 290-6664



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Trade Shows Briefs

DEMCON 2010 - A SHOW DEDICATED TO THE DEMOLITION, CONCRETE CUTTING AND RECYCLING INDUSTRIES

Most people working within the European demolition industry during the 1990s will probably remember the Nordic demolition show held in 1998 and 2000. With its small format and focus purely on demolition, concrete cutting and recycling professionals, it was a big hit for both exhibitors and visitors. It was the ideal venue for professionals to meet and exchange ideas. The quality of the audience was extremely high and a lot of business was done during the show.

S.C.O.P. AB is now launching a new show in the same spirit as its forerunner. The show and its location is the same, but the name is new, DEMCON. The show will take place at the business and exhibition center InfraCity, located in the Stockholm suburb of Bredden between the city center and Arlanda International Airport.

The DEMCON show will take place on 9 - 10 September, 2010 and will focus on demolition, concrete sawing and drilling, concrete floor preparation and polishing, clean air and recycling.

EXPONENT 2010, A MINI SHOW FOR THE RENTAL INDUSTRY

Parallel with DEMCON and in the entrance to the show the mini exhibition ExpoRent will take place on the same dates as DEMCON. ExpoRent is a pure exhibition for the Nordic Rental industry and partly organized together with the Swed-

ish Rental Association Hyrex. The Hyrex association, with more than 120 members, will hold their autumn meeting in the same place as the both exhibitions.

BUILDERS' ASSOCIATION OF INDIA IS JOINT ORGANIZER OF bC INDIA

bC India, a bauma ConExpo show, can rely on the industry's support when it celebrates its launch February 8-11, 2011 in Mumbai. The Builders' Association of India (BAI) has agreed to serve as a joint organizer of the exhibition. In addition, several Indian and international trade associations are supporting bC India.

The Builders Association of India (BAI) has a far-reaching network throughout India. With 11 000 direct members and 30 000 construction companies that are indirect members of its various regional associations, BAI speaks for the entire industry. In its role as a joint organizer, BAI will co-locate its annual conference in Mumbai with bC India.

Another Indian partner is the Construction Federation of India (CFI), which is one of bC India's official supporters. CFI members represent India's leading construction industry companies.

bC India has also received widespread positive response at the international level. The current list of bC India's official supporting organizations includes: Spanish Manufacturers Association of Construction and Mining Equipment (ANMOPYC), Construction Equipment Association (CEA) in Great Britain, China Council for the

Promotion of International Trade Machinery Sub-Council (CCPIT-MSC) and Korea Construction Equipment Manufacturers Association (KOCEMA). In addition, bC India will feature international exhibit pavilions from Germany, China, Italy, Finland and the UK.

bC India will take place at the Bandra Kurla Complex in Mumbai. Applications to exhibit at bC India are now being accepted. Exhibitors can download the appropriate forms at www.bcindia.com. The application deadline is May 17, 2010.

DEMO INTERNATIONAL® RETURNS TO QUEBEC

The Board of Directors of the Canadian Woodlands Forum (CWF) is proud to officially announce that its flagship event, DEMO International® 2012, will be held in Saint-Raymond, Quebec, on September 20-22, 2012. Gestion Solifor Inc. will host the event on one of its properties, La Seigneurie de Perthuis, located within an hour's drive west of Quebec City. This world class event, occurring only every four years, will mark the 12th edition of DEMO International®.

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Agenda

Truck World 2010

April 15 - 17, 2010
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bauma 2010

April 19 - 25, 2010
Munich, Germany



WasteExpo

Conference May 3 - 5, 2010
Exhibits May 4 - 6, 2010
Atlanta, GA USA

IFAT CHINA

May 4 - 6, 2010
Shanghai, China

1st APOM Technical Day

May 7, 2010
Sorel-Tracy, QC Canada

VANCOUVER 2010 - CIM Conference and Exhibition

May 9 - 12, 2010
Vancouver, BC Canada

Canadian Fleet Maintenance Seminar

May 10 - 12, 2010
Toronto, ON Canada

INTERtunnel 2010

June 8 - 10, 2010
Turin, Italy

Hillhead

June 22 - 24, 2010
Buxton, UK



2nd APOM Technical Day

September 10, 2010
Drummondville, QC Canada

IFAT ENTSORGA 2010

September 13 - 17, 2010
Munich, Germany



SCC2010 Montréal - Symposium on Self-Compacting Concrete

September 26 - 29, 2010
Montreal, QC Canada

IAA Nutzfahrzeuge - Commercial Vehicles

September 23 - 30, 2010
Hannover, Germany

WaterSmart Innovations Conference and Exposition

October 6 - 8, 2010
Las Vegas, NV USA

INTERROUTE&VILLE

October 26 - 28, 2010
Metz, France

INFRAASSETS2010 - Exhibition on Infrastructure Asset Management

November 9 - 11, 2010
Kuala Lumpur, Malaysia

bauma China 2010

November 23 - 26, 2010
Shanghai, China



Power-Gen International

December 14 - 16, 2010
Orlando, FL USA

bC India International Trade Fair

February 8 - 11, 2011
Mumbai, India

The Rental Show

February 27 - March 2, 2011
Las Vegas, NV USA



CONEXPO-CON/AGG & IFPE

March 22 - 26, 2011
Las Vegas, NV USA



SMOPYC 2011

April 5 - 9, 2011
Zaragoza, Spain



ICUEE - The International Construction & Utility Exposition

October 4 - 6, 2011
Louisville, KY USA



DEMO International® 2012

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



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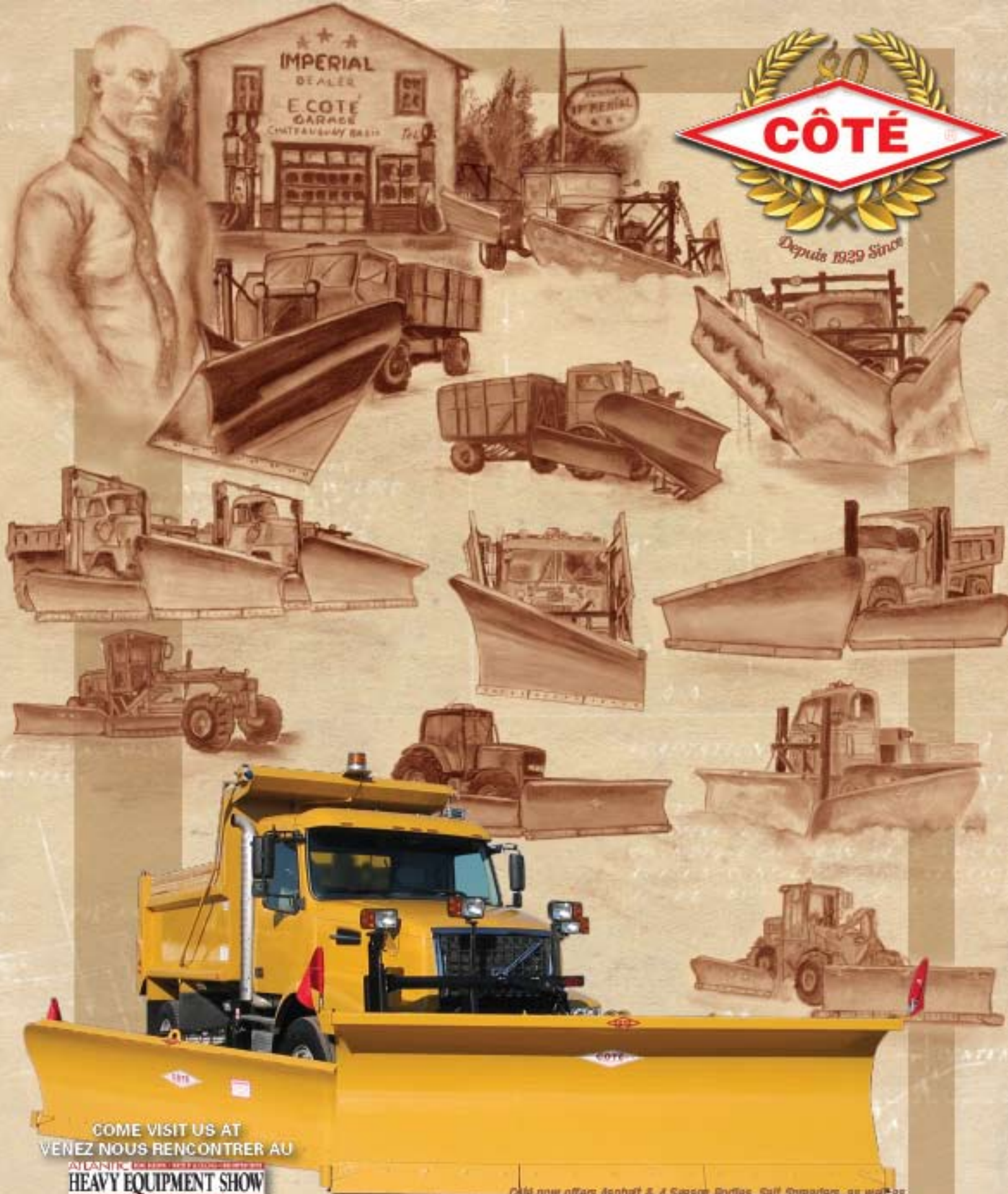
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