

# InfraStructures

**CONSTRUCTION • PUBLIC WORKS • NATURAL RESOURCES**

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Scania U.S.A. Inc.

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## A Brief Word...

*Well, school is back in session, if you didn't know, just think of how much longer the morning commute has become.*

*The weather has also turned and it has become noticeably cooler. Is this a sign of El Nina coming in for a long hard winter? Last month's issue should have got you thinking about that possibility.*

*For those in Ontario, doing business promises to get harder as the government shelves its pension plan proposal in favour of complex and costly carbon tax legislation. What will this mean for the equipment industry and just as importantly, do your customers know it is coming? I have spoken to many who have little understanding of the implications.*

*Will this pending seismic shift create a splurge of demand in advance of its implementation? The still suppressed commodity market is keeping the dollar low, maintaining elevated equipment prices. It is surprising Chinese OEMs haven't taken advantage of this seemingly win-win scenario. One enterprising Alberta supplier has hit on the model which may represent the future of the Canadian equipment market.*

*Regardless of government interference, international economics or the weather, you need to make your operations function effectively and efficiently. InfraStructures endeavours to be one of your tools in that daily struggle by providing the latest news and insights.*

*Make reading this issue your homework for the back-to-school season.*

*Class Dismissed,*

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On the cover: The pylons for a new cable-stayed bridge across the Ohio River are characterized by their complex shapes and massive legs and cross beams. PERI provided a comprehensive overall concept for its construction – consisting of a planning solution with perfectly matched formwork, climbing, shoring and scaffolding systems along with extensive onsite support.



## VALUE TIRE JOINS THE MICHELIN X TWEEL DEALER NETWORK

MICHELIN Tweel Technologies announced that Value Tire will join the MICHELIN® X® TWEEL® SSL dealer network, expanding dealer coverage and support for the MICHELIN® 12N16.5 X® TWEEL® SSL All Terrain and Hard Surface skid steer airless radial tire in Saskatchewan. Value Tire offers farm, winter and automotive tires as well as a complete range of services, such

as repairs, inspection and alignments by 26 trained technicians – including 13 who are TIA-certified.

Value Tire provides professional service to customers with MICHELIN®, BFGoodrich® and UNIROYAL® products that include agricultural, construction, medium truck, winter and passenger/light-truck tires. The 3<sup>rd</sup>-generation family-owned business operates commercial/retail locations in Saskatoon, Regina, and

Yorkton, Saskatchewan.

"Value Tire is a 7-year winner of the Saskatoon Consumer Choice award, and we're proud to welcome the business into our dealer family," said Jack Olney, director of sales for Michelin Tweel Technologies. "Continuously serving the Saskatchewan area for 30 years clearly demonstrates the level of quality and service this dealer provides to its customers."

The X TWEEL SSL is Michelin's highly advanced airless radial tire designed for skid steer loaders. As the only commercial product available to offer the advantages of no maintenance, no compromise and no downtime – the X TWEEL SSL requires no air, thereby eliminating the risk of a "flat tire." The X TWEEL SSL also provides industrial, construction, agricultural and landscape users the advantages of no air-pressure maintenance, easy mounting, damage resistance, increased operator comfort, reduced operator fatigue and improved productivity.

"After a 23-year partnership with Michelin, Value Tire is honored to be a part of a very exclusive network of dealers offering the award-winning MICHELIN X TWEEL SSL All Terrain and Hard Surface products to farmers, construction, industrial and landscape operators who use skid steers and experience numerous flat tires during their operations," said John Den Brok, owner of Value Tire.

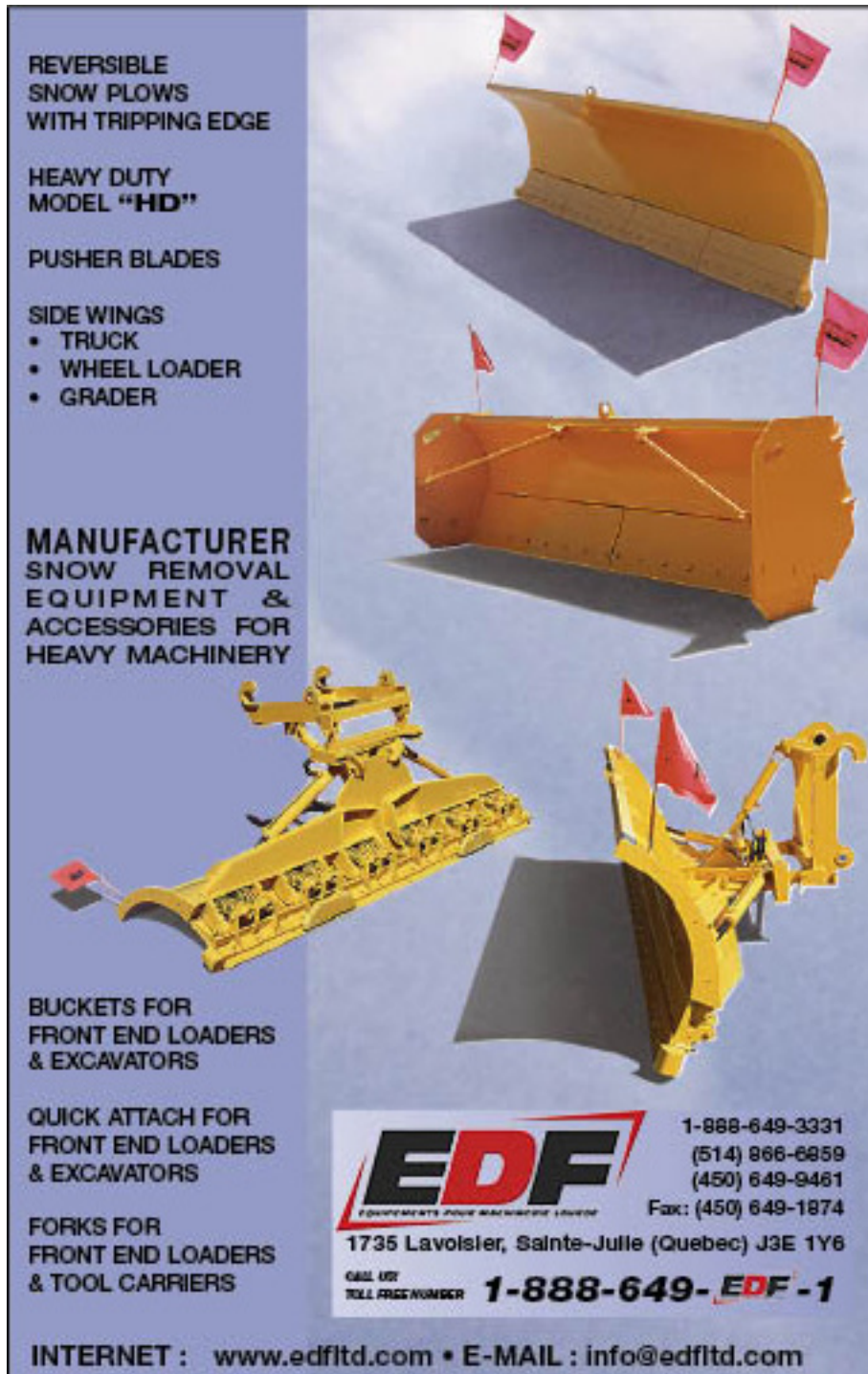
Source: Michelin North America, Inc.

## LBX COMPANY WELCOMES BACK DLL AS A PREFERRED FINANCING PARTNER

LBX Company LLC announced recently its renewed relationship with DLL as a preferred financing partner throughout North America. DLL has a long-standing history with LBX and its dealer network, having provided comprehensive retail and wholesale financing support dating back to 2003. The program officially launched in the U.S. on August 4, 2016 and kicked off in Canada on September 1, 2016.

With over 35 years of proven vendor finance experience backed by a genuine commitment to dealer service, DLL provides flexible financial solutions to loyal customers around the globe. DLL will be fully engaged with LBX to ensure unique and tailored financial solutions are provided to LBX dealers and their customers.

"DLL was our exclusive finance partner prior to the launch of Sumitomo Mitsui



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Finance and Leasing Company. DLL established and continued to maintain strong retail and wholesale relationships with our dealers," said Eric Sauvage, president and CEO of LBX. "By once again having DLL as a preferred financing partner, we will be able to offer an even more robust finance program throughout North America."

"We are pleased to be partnering with LBX again," said Rod Versteegh, president, CT&I Global Business Unit, DLL. "The relationship between our organizations dates back more than 13 years and is based on a shared vision and a collaborative approach to business. DLL has a strong global footprint, and we look forward to helping LBX expand into Latin America."

DLL, a wholly owned subsidiary of Rabobank Group, is a global provider of asset-based financial solutions in many sectors of the industry. DLL collaborates with equipment manufacturers, dealers and distributors in more than 35 countries to enable businesses to obtain and use the assets they need to contribute meaningfully to the world.

Source: LBX Company LLC

#### HILTI IS RANKED NUMBER 5 IN "50 BEST COMPANIES TO SELL FOR"

The corporate research team at *Selling Power* has identified Hilti as one of the best companies to sell for. Hilti finished 5<sup>th</sup> in the magazine's annual "50 Best Companies to Sell For," a comparison and evaluation of the top sales forces in the U.S.

*Selling Power's* annual rankings identify companies with the most to offer salespeople and gives these companies a competitive advantage when hiring top sales professionals. The focus includes companies of all sizes, with sales force sizes ranging from less than 100 to the thousands. Companies are evaluated in the following areas: compensation packages for salespeople; sales culture; onboarding and sales-enablement strategies; training and coaching processes; and, annual turnover percentage.

"We are proud to be listed once again in the Top 10 among some of the leading companies in the U.S.," says Cary Evert,

Hilti North America president and CEO. "We believe this is a result of our enthusiastic team members and our continued commitment to our culture."

Source: Hilti, Inc.

Hilti North America



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#### HAVER & BOECKER INTRODUCES TY-RAIL, AT MINExpo 2016

Haver & Boecker introduces the industry-changing Ty-Rail quick-tensioning system.

The patented Ty-Rail system solves an age-old problem of time intensive screen media change-outs. Replacing tension rails is typically time consuming and requires removing and replacing many pieces of hardware per screen section. Washers or bolts are often dropped or lost in the process, which adds to downtime and parts costs. The Ty-Rail system provides a fast return on investment, and cuts screen change-out time in half.

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Ty-Rail will be launched during MIN-Expo, to be held September 26-28 in Las Vegas, Nevada.

Source: Haver & Boecker  12050

### CATERPILLAR TO EXPLORE STRATEGIC ALTERNATIVES FOR CERTAIN MINING PRODUCTS

To focus on those products with the greatest growth potential, Caterpillar Inc. announced recently it intends to pursue

strategic alternatives, including a possible divestiture, for its room and pillar products, which serve a segment of underground soft rock mining customers. The company will also discontinue production of track drills within its Resource Industries portfolio.

The company and its dealers remain committed to existing customers and will support those room and pillar and track drill fleets currently in operation. "These

moves, which align with Caterpillar's ongoing restructuring, will allow us to focus resources on those areas of the business that provide the highest, sustainable growth and best long-term returns," said Denise Johnson, group president with responsibility for Resource Industries.

The room and pillar underground mining products under strategic review include continuous miners, feeder breakers, coal haulage systems, highwall miners, roof bolters, utility vehicles and diesel vehicles. While under review, Caterpillar will stop taking new orders.

Production of track drills will be discontinued, and no new orders will be taken.

In conjunction with the announcement, Caterpillar expects to take actions to reduce the workforce in Houston, Pennsylvania, where the room and pillar products are manufactured. While the company intends to sell the room and pillar products, it will also assess other options, including a possible closure of the Houston facility.

Total workforce reductions of up to 155 positions associated with the room and pillar business are expected, with some occurring immediately. These actions will more closely align employment levels with current end-market demand.

In Denison, Texas, where track drills are produced, approximately 40 positions will be eliminated as a result of the track drill exit and other facility restructuring.

In addition to these moves, the company also continues to evaluate the most efficient and effective use of its manufacturing footprint. The company announced recently it will repurpose its Winston-Salem, North Carolina, facility, transitioning it from a mining to a rail facility beginning later this year. Operations will transfer to Progress Rail, a wholly owned Caterpillar subsidiary.

As a result, the company will relocate the manufacturing of some components used in large mining trucks from its facility in Winston-Salem to its existing facility in Decatur, Illinois.

Source: Caterpillar Inc.

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### ALLU EXHIBITING AT MINEExpo 2016

ALLU Group will be, displaying its M-series processing attachment for soft rock mining. The M-Series processes a wide variety of mined materials, including coal, oil shale, limestone, dolomite, gypsum, phosphate, salt and other soft



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rock. With the extraction of resources from the ground becoming ever more expensive and complex, ALLU's innovative processing bucket, has the ability to load, carry, crush and place material either into stockpiles or directly into trucks. It converts a mine's wheel loader or excavator into a high-capacity mobile primary or secondary processing plant, reducing both capital investment and operating costs for the mine owner. Crushing, screening, mixing and loading are achieved in a one step process that can easily be moved around a site on a loader and/or excavator. These attachments can be utilized in both open-pit and underground mining applications without the need for the huge capital costs associated with a stationary crushing and screening plant. The ALLU M-Series

attachment allows the processing machine to be brought to the material and not the material to the machine.

ALLU Group offers a complete line of technologically-advanced screening, crushing, and soil stabilizing equipment and attachments for the asphalt, compost, environmental, recycling, green waste, demolition, mining and pipeline industries. ALLU Group is also ISO 9001:2000 certified.

Source: ALLU Group  17300

#### **ADVANCED MOTION & CONTROLS WELCOMES ROSS CONTROLS AS ITS NEWEST STRATEGIC PARTNER**

Advanced Motion & Controls Ltd. is pleased to announce the addition of ROSS Controls to its industry leading line-up of global partners.

"The ROSS brand is globally recognized as the leader of pneumatic safety products and solutions, we are very pleased to be able to partner with such a powerful player in this marketplace," commented Mark Schick, president of Advanced Motion & Controls Ltd., "leveraging our current product lines the ROSS brand will enhance our offering and expand our presence in Canada's leading industries."

With a full complement of sales, engineering and manufacturing support, we have been able to provide our customer base with the expertise required in today's competitive marketplace. The addition of the ROSS brand will only reinforce our commitment to providing our customer base with the best solutions for their challenging applications.

Headquartered in Barrie, Ontario, Advanced Motion & Controls Ltd. has been serving industry since 1986 as a major Canadian distributor of factory automation products. For 30 years Advanced Motion has been committed to providing world-class knowledge, solution expertise and resources to our customer base through its support network of sales, engineers and production resources across its 4 locations in Canada.

Source: Advanced Motion and Controls Ltd.

## **Tunnel Construction with SBM Concrete Mixing Plants**

The expansion of international traffic routes through the Alps would be inconceivable without tunnels. The realization of this costly infrastructure projects required first class concrete quality at economic conditions. The mobile concrete mixing plants



from SBM Mineral Processing have proven themselves as a successful competitive factor. Just recently, the Austrian company delivered the 12<sup>th</sup> EUROMIX® concrete mixing plant to Europe's largest mobile concrete producer.

Thanks to shorter paths and fewer truck journeys, concrete production on the jobsite with the EUROMIX® concrete mixing plant reduces the CO<sub>2</sub> emissions by around 25%. The cost savings are also significant thanks to a quick set-up time, great flexibility, high reliability, and longevity.

A wheeled EUROMIX® is ready for operation within a days work, as no fixed foundation construction is necessary. The twin-shaft mixer of the EUROMIX® 4000 achieves an output of up to 170 m<sup>3</sup>/h.

In addition to concrete mixing plants, SBM is the only company in the sector which also offers well-conceived total concepts for tunnel construction sites. Total concepts means that also for the material management first class solutions have been developed for the processing and conveying systems. In this way, SBM solves one of the biggest problems in tunnel building – the processing of excavated material, which after preparation can be reused as high quality aggregates for concrete production.

SBM has developed a system which encompasses the whole production chain. It ranges from crushing, screening and conveying to washing, dewatering and storage right through to mixing of high quality concrete and its delivery.

Source: SBM Mineral Processing GmbH

#### **BIG NAMES IN THE INDUSTRY ALREADY SIGNED UP FOR BAUMA CONEXPO INDIA 2016**

The Indian economy is slowly picking up speed again, and a host of high investment projects are being driven forward. Positive signs that are also reflected in the big companies signing up for the next BAUMA CONEXPO INDIA. The trade fair for construction machinery, building material machines, mining machines, construction vehicles and construction machinery is being held for the 4<sup>th</sup> time December 12-15, 2016 at the HUDA grounds in Gurgaon/Delhi.

Igor Palka, CEO of bC Expo India, which organizes BAUMA CONEXPO INDIA, is pleased with the response from the exhibiting companies: "We have registrations from big names like ACE, Ajax Fiori, Ammann Apollo, ASTEC, BAUER, BKT, Columbia Machines, Haulotte, Herrenknecht, Hyundai, Kobelco, KYB Conmat, Liebherr, Linnhoff, LiuGong, Macons, MAN, Marini, Masa, Potain, Puzzolana, Sany, Schwing



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Stetter, Soilmec, Topwerk, Wacker Neuson, Volvo and Wirtgen. That's a pretty impressive cross-section of the industry."

International interest also remains unbroken, as Mr. Palka reports: "Joint booths from China, Germany, Great Britain, Italy, North and South America, and Spain are already currently registered – and we still expect more to follow. That clearly shows how important BAUMA CONEXPO INDIA is for international companies."

Source: Messe München

Association of Equipment Manufacturers

#### **DATES CONFIRMED FOR BAUMA CONEXPO AFRICA 2018**

The dates for the next BAUMA CONEXPO AFRICA are confirmed. The 3<sup>rd</sup> International Trade Fair for Construction

Machinery, Building Material Machines, Mining Machines and Construction Vehicles will be held at the Johannesburg Expo Centre (JEC) March 13-16, 2018.

According to Stefan Otto, chairman of the local industry association CONMESA, the choice of venue and the new timing which leaves plenty of time for planning, all provide the ideal basis for a successful industry event: "With 2018 rapidly approaching as the year of the trade fair, CONMESA is happy to learn that BAUMA CONEXPO AFRICA 2018 has decided to innovate and break with the norm once again by hosting their next trade fair in March 2018! As advisory board members and partners, we at CONMESA support the team at BAUMA CONEXPO AFRICA working so diligently to bring us this interna-

tional trade fair once again." Elaine Crewe, CEO of the organizer BC Expo South Africa, is convinced that the new dates in March and the three-year cycle are ideal for the industry and the region. "BAUMA CONEXPO AFRICA's 3-year cycle is tailor made to the needs of the African market. It also gives all the companies involved the chance to prepare thoroughly for such a large event."

The last BAUMA CONEXPO AFRICA, held in September 2015 featured 616 exhibitors from 42 countries, and attracted 14,300 visitors from 75 countries. In total, 13% of visitors were from outside South Africa.

Source: Messe München

Association of Equipment Manufacturers

## **SDLG Rolls Out 58-Machine Order in Saudi Arabia**

The first units of a substantial 58-machine order from Saudi Arabian contractor Shihb Al-Jazira Contracting Company have been delivered by SDLG regional dealer FAMCO (Al-Futtaim Auto and Machinery Company).

The order – consisting of 30 SDLG LG958 wheel loaders and 28 SDLG G9220 motor graders – was signed earlier in the year, amid fierce competition from Chinese and Western equipment suppliers in Saudi Arabia.

"There are several reasons why we won this deal," says Essam Al-Malik, central regional manager at FAMCO. "These include our ability to deliver the machines

to the customer's precise requirements, SDLG and FAMCO's combined ability to carry out exceptional customer support and after-sales service, and our short lead time for delivery."

"We are very happy to have selected SDLG. The brand offers high quality products with great specifications; they definitely meet our projects requirements," added Mohammed Al-Nahas, senior technical advisor at Shihb Al-Jazira.

Established in 1965, Shihb Al-Jazira is one of the largest contractors in the Kingdom of Saudi Arabia and operates a fleet of over 1,500 machines. From its 6 locations – in Qassim, Khobar, Medina, Jeddah, Abha, and Riyadh – it is currently involved in delivering over 40 "mega projects" in the Kingdom.

"The machines will now be distributed throughout 20 different cities in Saudi Arabia for a large-scale highway maintenance project," concludes Motasim Abulhasan, SDLG central region sales manager at FAMCO.

Source: SDLG



#### **MORBARK DEALER NETWORK EXPANDS INTERNATIONALLY**

Morbark, LLC, is pleased to announce that it has signed agreements with Equipment Sales & Service Limited and Van Bommel Machine Import BV to become Morbark® equipment dealers.

Based in Edmonton, Equipment Sales & Service Limited (ESS) is the exclusive Morbark dealer in Alberta, handling both tree care and industrial equipment. Founded in 1946, ESS is currently one of Canada's oldest and most established equipment companies. A private, family-owned business that specializes in heavy equipment sales, ESS has been named one of "Canada's Best Managed Companies."

With 20 years of experience, specifically in recycling, Van Bommel Machine Import BV is the exclusive Morbark industrial equipment dealer in the Benelux nations of Belgium, The Netherlands and Luxembourg, handling forestry, biomass and recycling equipment. Van Bommel is part of the Van Laecke Group, along with Van Laecke Machines and Marcom Recycling. Together, they provide a comprehensive range of recycling machines for wood and stone, earthmoving and excavating machinery, and agricultural machinery.

Source: Morbark, LLC

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After purchasing the Sonic SideGrip®, Heneault Gosselin was able to tap into a new market exposing them to new opportunities and jobs than they had done in the past. While specializing in rebuilding existing foundation, Heneault Gosselin has now been installing piles for new construction in Eastern Canada. The Sonic SideGrip® has provided the ability to build on ground never considered before. Before, Heneault Gosselin was using a hydraulic hammer could do 4-5 piles in the amount of time that they now can do 20-25 piles using the Sonic SideGrip®. Peter Tobin, at Heneault Gosselin, has expressed how the Sonic SideGrip® has not only provided efficiencies in job performance but also an opening in a new market resulting in new opportunities to win bids and complete jobs that they could not have before.



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## VMAC Announces UNDERHOOD-Lite Air Compressor for Transit Connect

VMAC announced recently the launch of its latest UNDERHOOD-Lite rotary screw air compressor system designed specifically for the Ford Transit Connect van. This is VMAC's 3<sup>rd</sup> product announcement since March, further illustrating VMAC's commitment to continuously evolving its product offering to meet the needs of fleet managers.

"VMAC is the first air compressor manufacturer to develop advanced air systems designed specifically for commercial vans" says Gordon Duval, VMAC's vice president of Marketing and Sales. "Developing a system for the growing van market demonstrates VMAC's agility and responsiveness as a manufacturer to continually understanding the unique challenges of fleet managers and developing solutions for these challenges."

VMAC's UNDERHOOD-Lite air system provides 100% duty cycle and up to 0.85 m<sup>3</sup>/min (30 CFM) and 7.18 kPa

(150 psi) and is proven to work in extreme climate conditions making it the most reliable mobile air compressor

available. Thanks to its engine-mount design, it is the safest air compressor system available for vans. Because the VMAC UNDERHOOD-Lite is mounted on the engine, it eliminates the need for expensive and unreliable workarounds for ventilation, and eliminates the need to constantly move an air compressor in and out of the back of the van creating opportunities for damage and injury.

"VMAC's UNDERHOOD-Lite installed footprint is very small, with only the separator/cooler tank requiring space inside the



van. This frees up about 0,28 m<sup>3</sup> of space when compared to other compressors, which is significant in a tightly packed van box," continued Mr. Duval.

"We're very proud of this product announcement. It underscores our commitment to exceeding our customers' expectations by continually evolving our advanced air solutions to help them reduce expenses, improve productivity and grow their bottom line," said Gordon Duval.

Source: VMAC Global Technology Inc.

 2272

## Hitachi Primed for a Big MINExpo 2016

Hitachi's booth at MINExpo 2016, to be held September 26-28 in Las Vegas will showcase equipment, innovative technology and integrated solutions that mines can apply to reduce overall costs and optimize productivity.

The 2,081 m<sup>2</sup> "Hitachi to the Core" booth will give visitors a chance to learn what Hitachi can do for their bottom line by getting up-close and personal with some of the most efficient, reliable and durable excavators and haul trucks at the show, meeting with global product experts, taking the haul truck simulator challenge and more.

"MINExpo is the perfect international stage to showcase Hitachi's equipment, technologies and solutions," said Craig Lamarque, division manager, Hitachi Mining Division - Americas. "Hitachi develops technologies and solutions that are integrated into the equipment, which allows us to deliver an unmatched value to customers. That's because this approach optimizes productivity, reduces overall costs and makes it easier for mine operations to succeed in this challenging envi-

ronment, which is our ultimate goal in serving our customers."

An EX-6 Series mining excavator and an AC-3 Series electric drive rigid frame hauler will be on display at the booth.

Beyond equipment, Hitachi will highlight a

number of "smart iron" technology innovations designed to help mines become more efficient and productive. Examples of this include the company's peripheral vision support system and its autonomous haulage and trolley assist technologies.


During the show, Hitachi will also launch a new customer tool that is designed to enhance the availability and accessibility of mining excavator parts for the Americas' market.

"Hitachi Ltd, our parent company, is



active in a variety of industries including everything from transportation to robotics," said Mr. Lamarque. "This breadth of expertise gives us the ability to vertically integrate technologies and solutions and provide customers with products and services that are more efficient, reliable and durable to the core."

Source: Hitachi Construction Machinery Co.

 8527





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# Sandvik Mining and Rock Technology at MINExpo 2016

At MINExpo 2016, Sandvik will showcase the latest in its portfolio of innovative equipment and services, ranging from a single drill bit to mine automation.

Sandvik offers a wide range of automation solutions that customers can apply right now in order to maximize the full potential of their mine site while significantly improving safety. Depending on customer requirements, Sandvik can provide AutoMine® for autonomous solutions and OptiMine® for information management – or a combination of these two – all resulting in improved safety and productivity. Because it is automation by miners, for miners, each solution is tailored to realistic conditions and needs, both in surface operations and underground.

3D scanning is one of several new and innovative features available in Sandvik automation offering. It automatically scans overbreak and underbreak to save valuable time during the drilling cycle, helping customers develop more meters every month.

Do not miss the opportunity to discover more about the benefits of 3D scanning at the show.

At MINExpo Sandvik will launch a number of drill rigs, including its latest addition to the DD422 series. Sandvik DD422iE

uses electric battery power instead of a diesel engine, eliminating emissions during tramming. The patented electric driveline system on its latest automated mining jumbo enables battery recharging during drilling. Sandvik DD422iE burns less fuel, also generating less heat and noise than conventional drivelines. The result is safer, healthier and more productive development drilling. There are many other new and innovative solutions on Sandvik DD422iE designed to increase productivity and simplify maintenance, to help ensure maximum rig availability.

There is growing awareness of the potential health impacts of diesel particulate matter (DPM) and other underground engine emissions which often dictate high mine ventilation costs. This extends beyond drilling to other underground



equipment. Discover more about the electrifying solutions for underground loading and hauling from Sandvik at MINExpo.

Explore the latest examples demonstrating Sandvik extensive experience in surface and underground drilling – whether top hammer, ITH, DTH or rotary – at MINExpo. These include the launch of the latest addition to its modular 400 underground range of ITH long hole drill rigs with automation capability. Learn more about the latest in the series of diesel-powered, self-propelled, crawler-mounted surface blasthole drills is automation-ready and features forward-thinking design and technology for bulk mining operations. Coupled with the patented Sandvik Compressor Management System fuel consumption can be improved by up to 25%.

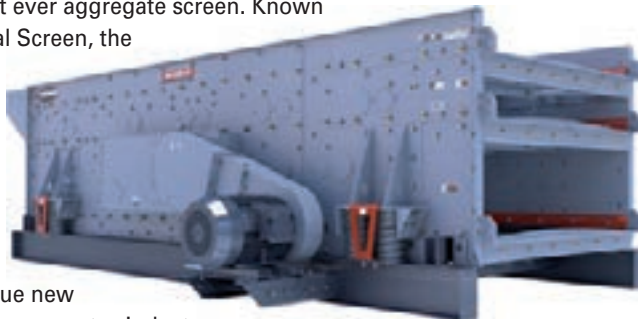
Having developed and supplied productive rock tools for more than 100 years, Sandvik continues to reinvent drill bit design. The newly-introduced top center drill bits, incorporating the most significant upgrade to face drilling bits in decades, is one of the Sandvik highlights at MINExpo. The new design features a so-called “raised front”, elevating two or three front buttons – depending on diameter size – a few millimeters above the gauge buttons located on the periphery of the bit. Additionally, the front buttons are set at a slight angle relative to the symmetric axis of the bit.

The raised front creates a slightly recessed hole bottom pattern that alters

## Superior Industries at MINExpo 2016

Superior Industries, Inc. is excited to announce it has completed research and development of its first ever aggregate screen. Known as the Guardian™ Horizontal Screen, the triple-shaft, adjustable oval stroke design was engineered using valuable customer feedback.

According to Superior, several key features help distinguish the horizontal screen as a unique new



processing solution for the aggregates industry:

- Patent pending bottle jack lifting points simplify and speed spring replacement and improve safety;
- A segmented belt guard and sectioned tailgate greatly lighten the loads of these 2 features, requiring only one person to remove and return the guards and gates during maintenance;
- Exclusive to Superior, and new to the industry, are bolt-locking, hinged access doors. The convenient feature allows access for screen media maintenance and hinges prevent operators from misplacing the spillage-preventing doors;
- A 100% fully-enclosed belt guard ensures maximum safety while an integrated, onboard tensioner accelerates maintenance to the motor belt.

Superior designs and manufactures its new Guardian Horizontal Screen in 2 and 3 deck configurations for 5x16, 6x16 6x20, 7x20 and 8x20 models. Each unit is equipped with spray bar knockout holes for wet processing applications.

Source: Superior Industries, Inc.

19100



the rock-breaking action in order to achieve improved performance. This, together with a new cemented carbide grade GC80, which combines toughness with a softer center, further extends the service life and long grinding intervals. More launches will be revealed at the show.

Learn more about the advancements in the field of comminution and see the latest in the range of crushers in the quest for more eco-efficient comminution solutions – one of these being Sandvik CH865, the mid-range mining crusher for high-reduction tertiary and pebble applications. The intelligent systems on Sandvik CH865 enable real-time performance optimization, while smart, compact design solutions reduce dynamic loads and minimize engineering and installation work.

As previously announced, Sandvik and Getman Corporation entered into a global distribution agreement under which Sandvik Mining will be the exclusive global distributor of Getman's products. Getman



representatives will be available at the Sandvik booth to discuss the Sandvik and Getman solution offering in underground drilling, rock enforcement systems and aftermarket services.

Sandvik ties it all together with comprehensive aftermarket solutions. People often talk about quality, commitment and innovation. But for the real story, take a close look at the numbers. In an industry

where an hour of downtime can cost thousands, Sandvik parts and services can save customers millions, with around-the-clock service, qualified engineers and genuine parts on demand. Trust the numbers!

Source: Sandvik Mining and Rock Technology

 7309



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## Off Road Award: Unimog is Cross-Country Vehicle of the Year 2016

The Mercedes-Benz Unimog has been voted best cross-country vehicle of the year in the "special-purpose vehicles" category by readers of specialist journal "Off Road" for what is now the 12<sup>th</sup> time in a row. The "Cross-Country Vehicle of the Year" poll had a total of twelve categories. 85 080 votes were cast with 126 vehicles in the running. The Unimog took first place among special-purpose vehicles with a phenomenal 43.3% of the readers' votes.

Whether it's in the bone-dry Gobi desert, in the tundra and taiga of Siberia or on the hot volcano crater road on Vesuvius, there is hardly a challenge in the world which the Mercedes-Benz Unimog would not be capable of taking on.

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The genes for such extreme applications are in its blood. Thanks to the mid-engine layout of the extreme-terrain Unimog, the frame offset is now further aft, and overall this means a lower vehicle center of gravity with a simultaneously high ground clearance, which further optimizes the handling in off-road operations. Axle articulations of up to 30° are possible due to the torque tube technology in conjunction with coil springs. Portal axles and a climbing ability

of 45° are further features of the extreme-terrain Unimog that goes by the model designation U 4023/U 5023. In addition, there is the maximum fording depth of 1.20 m and a lateral inclination angle of up to 38°. Driving in extreme situations with engaged all-wheel drive is assisted by the on-demand differential locks and the "Tirecontrol Plus" tire pressure control system. This can simply be set with buttons on the steering wheel for the respective

## Online Training Now Available Through Wenco Learning

Wenco International Mining Systems is thrilled to announce the release of its latest solution to help mines work smarter – Wenco Learning.

Wenco Learning marks a new way forward for educating people in mining IT systems. This online training portal teaches its clients to use their Wenco solutions to their fullest.

Through the portal available on the web at [www.WencoLearning.com](http://www.WencoLearning.com), users gain access to a comprehensive suite of training programs designed to upgrade their knowledge of Wenco systems. These self-directed courses allow users to move at their own pace as they learn about Wenco technology and expand their skills in commanding their solutions. Courses cover all aspects of Wenco products, including fleet management, dispatching, machine guidance, in-pit navigation, and more.

Wenco Learning courses have been created in conjunction with PRIME Learning Group — a leading provider of cloud-based skills training in good standing with the Canadian Society for Training and Develop-

ment, the American Society for Training & Development, and the Project Management Institute. The modules included in these courses draw on proven methodologies and the latest advances in adult education to ensure staff receive training that drives exceptional results on the job.

To complement these e-learning modules, Wenco Learning also offers face-to-face training workshops. These in-person sessions let Wenco experts provide immediate feedback to students and tailor training to the particular challenges of each individual mine.

"We're all excited to lead the industry with this full-scale e-learning system for fleet management," said Craig Utian, manager of client services at Wenco. "The ability to deliver this amount of informa-

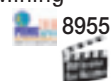
tion to our customers in a way that's so consistent and cost effective really changes the game."

Available now and accessible from any web-enabled device, Wenco Learning



e-courses give mines a smart and scalable alternative to traditional means of training for their mining IT solutions.

Source: Wenco International Mining Systems Ltd.





# Tsurumi to Focus on Durability at MINExpo 2016

application via the modes "road", "sand" and "rough road".

The power comes from a 5.1 l OM 934 LA producing 230 hp. Eight forward and 6 reverse gears are available, and optionally there is also an off-road gear group for off-road applications in the speed range between 2.5 and 35 km/h.

Available alongside this extreme-terrain Unimog is the implement carrier model series U 216 to U 530, frequently seen in municipal applications. It is also equipped with modern Euro 6 engines with outputs of up to 299 hp.

When it comes to maintenance, diagnostics or repair, the Unimog also has all bases covered. Expert authorized Unimog dealers look after the vehicle at more than 650 service outlets in over 130 countries, whilst special service offers and financial services round off the overall package.

Source: Daimler AG

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Tsurumi Pump will display the durability of its pumps at MINExpo 2016 to be in Las Vegas, Nevada, from September 26 - 28.

Glenn Wieczorek, managing director of the company, said that MINExpo will provide the perfect opportunity to highlight the reliability of Tsurumi pumps, especially when jobsite planning must happen quickly.

"Often mining projects have the benefit of months or years of careful planning, including equipment selection, before companies ever break ground," he explained. "But when the market fluctuates quickly and the price of gold or another commodity spikes, there's no time to lose. Companies need to react quickly and rely on a brand to bring durability and longevity to the jobsite."

Tsurumi's booth will place special focus on its new, stainless steel LH-series of submersible dewatering pumps, which are manufactured using SAE 316 stainless steel (also known as marine grade stainless). The casting of these pumps enables them to handle the heavily acidic runoff from mining applications that can quickly degrade equipment, often in a matter of days.

Tsurumi pumps are designed to be some of the most durable on the market. Each and every component of a Tsurumi pump is scrutinized and tested – that way, when the pump is assembled, its resilience reflects the sum of its parts. Most of the company's pumps feature high-chrome, abrasion-resistant construction, for example.

The LH-series has discharge sizes that range from 76 mm in to 203 mm, and it offers horsepower outputs that range from 15 hp to 150 hp. All parts within the pump that are exposed to fluids, from the impel-

ler to the casing, will withstand exposure to wastewater that contains abrasive substances.

A number of other pumps that are ideal for handling the rigors of mining will also be on display, including:

- The GPN-series of agitator pumps;
- The GSD-series of submersible slurry pumps;
- The GSZ-series of submersible, high-head dewatering pumps; and
- The KRS-series of submersible dewatering pumps.

"Conditions in a mine can be exceptionally severe, and pumps are often expected

to move high volumes of superheated water laden with pyrite, iron, sand and other gritty solids," said Mr. Wieczorek. "The continuous duty motors found in every Tsurumi pump each contain a silicon carbide mechanical seal to ensure protection from moisture, heat and solids, making them preferable in situations like these."

MINExpo 2016 will occupy 77,000 m<sup>2</sup> of space throughout 4 exhibit halls. More than 1,700 exhibitors are expected to attend to display products, services

and technologies that enhance the safety and efficiency of mining operations.

"A show of this magnitude gives us a great platform to connect with customers, both old and new," added Glenn Wieczorek. "We welcome the opportunity to hear about the challenges that miners face firsthand on the jobsite – this information will help us improve the design of Tsurumi pumps moving forward."

Source: Tsurumi America, Inc.  935



# Winter Kits Keep Deep Freeze at Bay

Terex Trucks has launched winter protection kits for its rigid dump trucks to help avoid the need to keep engines idling in extreme sub-zero temperatures.

It takes only a drop of 4°C in core body temperature for hypothermia to set in, therefore the body wastes no time in activating its defense against cold weather. Goosebumps, shivers, teeth chatter and raised hair are all symptoms triggered by the hypothalamus – the brain's temperature center – to produce heat.

And it is not just humans who feel the effects of sub-zero climates, which can be experienced in countries such as Canada or Russia – where temperatures regularly plummet to -35°C. Machines also feel the cold too – and can suffer serious damage if not properly protected against the chill.

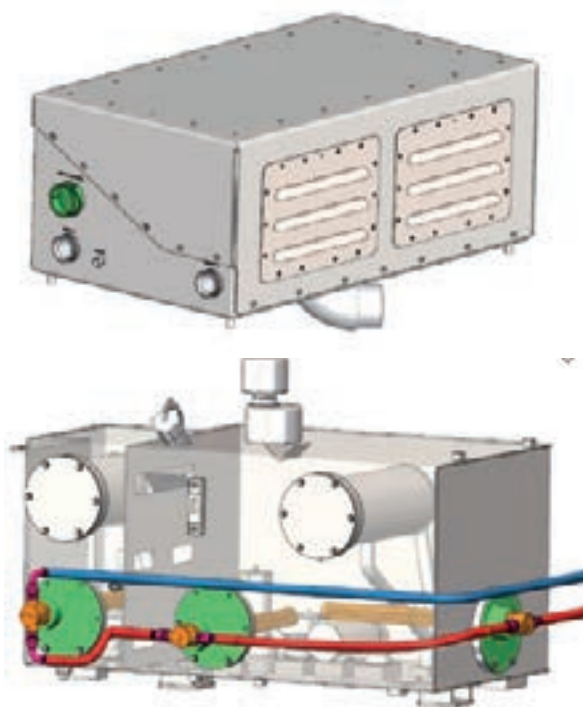
To meet the needs of trucks working in adversely low temperatures, Terex Trucks has released 2 extreme cold weather protection kits for their rigid hauler products. With the help of Webasto, the first, labelled the Winter Kit, defends trucks working for prolonged periods where temperatures fall to -25°C while the second, the Arctic Kit, enables safe operating up to a deep freezing -40°C.

General practice in colder countries sees engines constantly running even during shift changes to keep fluids warm, prevent fatigue failures in the drivetrain, and seal leaks. Recognized as inefficient, the method of idling is one that is not only environmentally sub-optimal but also costly to the end user due to the needless fuel consumption.

Thanks to the Webasto-supplied truck-mounted Thermo-Heater, non-productive fuel consumption, engine wear-and-tear and prolonged downtime are significantly reduced. The new technology makes use of an environment-friendly start-stop system, with just a very small trickle of diesel. The Thermo-Heater is powered once the engine is shut down, it then draws the coolant from the engine and circulates around criti-

cal components. The engine-independent heater has the ability to keep the machine at a pre-determined warmer temperature for hours after the motor is switched off, and restart without a hitch.

The new system not only protects the truck but it also helps make the operator's life easier. The engine-off solution makes



for a pleasant work climate as it supports the standard cab heater making for a much warmer environment, and there is the added heater operator seat which also aids productivity.

"It's all part of listening to the voice of the customer – our aim is to provide solutions tailored to the countries the trucks are operating in – in this case, territories such as Russia, Northern Canada and even

Europe where temperatures can plummet to arctic levels," explains Scott Pollock, product manager at Terex Trucks.

In its standard deliverable configuration, a Terex Trucks' rigid hauler is designed to safely operate in conditions down to -18°C but with the added help from the state-of-the-art heating systems, the trucks will be able to work safely down to an almost unimaginable -40°C.

Fitted at the Motherwell factory in Scotland, the protection kits will be available on the TR45, TR60, TR70 and the 91 t capacity TR100. The solutions can also be retrofitted on older machines and are covered on the Terex Trucks protection warranty.

"The newly designed kits will be offered globally for customers who are required to operate trucks in cold climates, as it protects the machine and the operator thereby maximizing uptime. Additionally, due to the reduction of engine idling there is a potential fuel saving of up to 90% during these non-productive periods, and with that comes less engine wear-and-tear, less maintenance and a potential effect on machine residual values," adds Mr. Pollock. "We've also got to recognize it's not all about the truck working. It's also about the truck maintenance time, the overhaul time and minimizing the start-up time as well."

Source: Terex Trucks

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Watch for the  logo



## Guay Commissions New Terex® Crossover 8000 Boom Truck Crane

Guay Inc. continues to grow its massive fleet of cranes with the addition of a new Terex® Crossover 8000 boom truck crane mounted on a Peterbilt chassis. The Crossover 8000 gives Guay a cost-effective lifting solution for the company's growing residential and commercial business sector. The crane has a 72.6 t rated capacity, a 38.4 m maximum boom length and a tip height with jib of 57.9 m. Guay selected the Terex Crossover 8000 because of its versatility and ability to travel over-the-road while carrying all its counterweight and support equipment.

"The Terex Crossover 8000 is a great addition to our fleet," says Jean-Louis Lapointe, director of Equipment for Guay Inc. "With a few modifications to the chassis, we're able to meet DOT regulations, while carrying counterweight, rigging equipment, pads and tools. We've been able to significantly reduce setup time and transportation costs since we do not have

to use an additional truck to move extra components."

The truck chassis incorporates a modified axle configuration, tool boxes and hook block support mounted between the crane frame and a rack on the rear of the machine for pads.

Guay is already keeping its new boom truck crane busy in the Montreal, Quebec, area. By choosing a crane that fits a

standard truck frame, Guay's crews can travel from jobsite to jobsite at the speed limit with air-ride comfort.

With more than 550 machines, Guay Inc. has one of the largest crane fleets in Canada.

Source: Terex Corporation





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# Unimog U 323 for Winter Road Maintenance and Transport

The Mercedes-Benz Unimog U 318, a light-duty implement carrier with 11 t permissible gross vehicle weight, enjoys an excellent reputation especially in the municipal sector. The compact and fuel-efficient all-wheel-drive vehicle has also proven its worth many times over in other areas of application, such as construction, agriculture, forestry and the energy sector. To fill the product gap between U 318 and U 423, Mercedes-Benz now offers the 231 hp Unimog U 323, a new top-of-the-line model for the 300 Series.

The Unimog U 323 is also available in wheelbases of 3000 mm and 3600 mm, with a maximum permissible gross vehicle weight of 13.8 t and 14.0 t, respectively. The Unimog U 323 also offers higher axle loads to match (front axle up to 7 t / rear axle up to 8 t). This makes it an efficient vehicle solution – from snow-clearing, gritting or cleaning to transport to crane work – at an attractive price.

The new Unimog U 323 is not just

versatile, it is also suitable for off-road use and it fuel-efficient. With its long wheelbase and larger platform, it can cope with heavy payloads. In addition to being more powerful, the

U 323 also comes with a host of optional extras already valued by U 423 customers, such as AutomaticShift, a transmission-driven PTO (which can be used to power crane bodies or high-pressure pumps) and several hydraulic options, such as fully proportional 2-circuit hydraulics with snowplow weight transfer.

Equipped with a tilting platform, front loader or swap body, such as a water tank, the U 323 demonstrates its talents as a work/transport vehicle. Its standardised interfaces for fast implement mounting and



demounting, along with high maneuverability thanks to its compact dimensions, give it the flexibility to professionally handle a range of tasks throughout the year.

The ergonomic panoramic cab with an unimpeded view of front-mounted implements, together with ABS, all-wheel drive and differential locks, makes for optimal working conditions. The multifunction joystick offers convenient control of implement, hydraulic, and driving functions.

Source: Daimler AG



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# BAUER Resources Installs First Solar-Powered Water Treatment Plant for Fluoride Removal in Ghana

Beaming smiles on the faces of the members of the small community Gbalo in Ghana, Africa, where the first solar-powered water treatment plant for removing



Alexander Dittmar (3<sup>rd</sup> from left), was delighted to hand the plant over to the Gbalo community.

fluoride from drinking water has recently been installed and commissioned. Working together with the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

(German Association for International Cooperation), BAUER Resources Ghana Limited, a subsidiary of BAUER Resources GmbH, planned and built the plant for the "Solawa" project.

Prior to this, those living in the community have had to drink fluoride-ridden water for over a decade, leading to osteofluorosis and dental fluorosis – both of which cause pain as well as bone and tooth damages. The new water treatment plant now reduces the level of fluoride from more than 4 mg/l to less than 1.5 mg/l. The plant can supply around 2,000 l/h of purified water.

Upon handover of the plant in Gbalo, district administrator Hajia Mary Nakobu emphasized the positive effect it will have on people's health and appealed to those responsible to take good care of the plant. John Godson Aduakye,



All images: © BAUER Group

assistant director of the Community Water and Sanitation Agency (CWSA), announced that there are plans to build similar water treatment plants in other regions of Ghana. Alexander Dittmar, managing director of BAUER Resources Ghana Limited, and Bauer project engineer Josef Abanga Azongbilla thanked the GIZ, Chereponi District Council and the CWSA for their positive cooperation.

Source: BAUER Group

## Volvo Trucks D13 Engine with Turbo Compounding Offers Increased Power and Fuel Efficiency

Volvo Trucks North America is adding a turbo compounding option for the Volvo D13 engine, bringing even more power and fuel efficiency to one of the industry's most fuel-efficient engines. By converting wasted heat energy, the 13 l D13 with turbo compounding improves fuel efficiency by up to 6.5%, while also delivering up to 100 extra lb ft of torque for improved performance.

"The Volvo D13 with turbo compounding offers real-world benefits to owners and drivers," said Göran Nyberg, president of Volvo Trucks North America. "Thanks to improved fuel efficiency and additional torque, customers spec'ing this new engine will not only enhance driveability, but positively impact their bottom line."

Turbo compounding increases fuel efficiency by converting wasted heat energy from the exhaust into useable mechanical energy that is returned as extra torque to the crankshaft of the engine. This additional torque allows the Volvo D13 with turbo compounding to improve performance and

efficiency at the same time.

"The D13 with turbo compounding is a perfect partner for our popular XE – eXceptional Efficiency – downspeeding package," said John Moore, Volvo product marketing manager – powertrain. "It's a win-win for fuel efficiency and performance, as downspeeding increases the energy in the exhaust, which in turn boosts the efficiency of the turbo compounding unit and reduces engine friction at lower cruise rpm's. This engine will allow all downspeeding driveline packages to now cruise at engine speeds that are 100 rpm lower than before while at the same time offering more torque to maintain performance."

The Volvo D13 with turbo compounding will be available in 2 power ratings in combination with 3 torque management



packages. The D13 with turbo compounding optimizes fuel efficiency for steady state, long-haul applications where downspeeding drivelines thrive.

The Volvo D13 with turbo compounding will be available in mid-2017 as an option on Volvo sleeper models specified for long haul applications.

Source: Volvo Trucks North America

# Climbing Formwork and Shoring Solution for Complex Bridge Pylons

The pylons for a new cable-stayed bridge across the Ohio River are characterized by their complex shapes and massive legs and cross beams. PERI provided a comprehensive overall concept for its construction – consisting of a planning solution with perfectly matched formwork, climbing, shoring and scaffolding systems along with extensive onsite support. With this PERI solution, the construction crew were able to realize the 2 bridge pylons in Louisville within the specified construction period and with low dimension tolerances.

The 762 m long cable-stayed bridge over the Ohio River connects the states of Kentucky and Indiana. The new bridge is part of the nearly 14 km long Louisville-Southern Indiana Ohio River Bridge Project which offers new possibilities for the river crossing and thereby counteracting congestion problems in the region. Through the project, among other things, the Interstate 64 highway has been rerouted to

the north of Louisville.

The span of the main bridge section reaches 365 m, and the carriageway is carried by means of stay cables supported by 2 reinforced concrete pylons each 90 m high. The lower part of the pylon legs inclines in an outwards direction and is designed as a solid construction while, above the carriageway, the pylon legs are inclined inwards and feature hollow box cross-sections.

In the process, the cross-sections taper in an upwards direction, and a slight curvature caused a continuous change in the angle of inclination from casting segment to casting segment. Two 3.65 m thick cross beams connect the pylon legs – one at road surface level and the other at the upper

pylon reinforcement. Therefore, each construction section presented a particular challenge not only regarding the geometry



Photo: PERI GmbH

but also in terms of the load transfer. In addition, it was important to find the optimal formwork solution in the area of boxes for accommodating the stay cables.

A German-American PERI project team developed and delivered a complete solution for the individual construction sec-

## Corroded Concrete Removed in Seemingly “Mission Impossible” Conditions

Skanska AS Norway has used an Aquajet robot water cutter in renovating structural parts underneath a pier in Oslo harbor, Norway. Because of the tidal flow and an inaccessible subsurface working area, the operation would have been both difficult and dangerous to undertake by manual means.

The large pier, with an area of 4,000 m<sup>2</sup>, is located at Pipervika Quay, and Skanska had discovered extreme damage to the bearing elements underneath the structure.

Not only did the tidal flow make the pier structure an unsafe environment for Skanska's workers, the restricted space was inaccessible for large demolition robots.

A spokesman for Skanska confirmed that in the past they would have relied on unpredictable rail systems and very old, ineffective pumps; making the project “virtually mission impossible”.

Skanska therefore chose the small and maneuverable Aqua Cutter 410A hydrodemolition robot, supplied by Aquajet Systems AB of Sweden.

This remotely controlled robot was fitted with a disconnectable power control module and an Ecosilence power pack.

The operator was able to disconnect the power control module from the tracked crawler, and safely drive the crawler into the tight and flooded areas under the pier.

Standing on dry land, the operator used the remote control to access all the required horizontal, vertical and overhead operations.

The Ecosilence power pack is a super-silent high-pressure unit, specially designed for hydrodemolition in urban environments with highly regulated noise levels.

For this project the pressure and flow



were set at 1,000 bar and 180 l/min. Skanska said that the operators were experiencing increased efficiency of 50% when using efficient and flexible robots that also can work under water.

During a period of just 100 days, more than 750 t of badly corroded concrete had been removed.

Source: Aquajet Systems AB





tions. A number of formwork and scaffolding systems from the extensive PERI rental pool were used: the variable VARIO GT 24 Girder Wall Formwork, a combination of ACS, RCS and SCS SelfClimbing Formwork, heavyduty shoring on the basis of the VARIOKIT Engineering Construction Kit and PERI UP Scaffolding were combined to create a complete solution which ensured fast cycle sequences, high loadbearing capacities and a maximum level of safety during all stages of construction.

The pylons were divided into 5 construction sections: the outwardly inclined and tapering lower section of the massive pylon legs were followed by the hollow box cross beams at the level of the carriageway as the second section. The following inwardly inclining and likewise tapering part of the pylon leg in turn was again divided into 2 sections as the boxes for the stay cables at the top of the pylons had to be integrated. The upper cross beam for reinforcement of the pylon formed the final phase of execution. Due to the tremendous differences in the individual construction stages, each area required separate new sets of formwork and scaffolding.

The lower pylon legs were realized in 4 casting segments, each around 18 m high. As the concrete required prolonged curing time, PERI provided 2 sets of formwork per pylon leg which were used by the construction team implementing the so-called leapfrog process. By means of custom connections at the corners, the formwork could be easily adapted to suit the extreme inclinations as well as the tapered sections. Through the use of appropriate reinforcement featuring system components from the VARIOKIT Engineering Construction Kit, the formwork was sufficiently strengthened here so that the concreting loads from the reversed inclined areas could be transferred into the foundations.



Photo: PERI GmbH

The “knuckles” in the pylon leg required a particularly tricky solution whereby the lower cross beam was also to be accommodated. Construction of this area took nearly 4 months. The formwork for the

hollow cross beams – likewise realized using VARIOKIT system components – was supported on 6 VST HeavyDuty Shoring Towers each with a load-bearing capacity of over 270 t. The use of mobile hydraulics on the head spindles guaranteed easy striking. The fact that all customized system components could be rented from PERI resulted in a high level of cost-effectiveness for the solution.

Parallel to the time-consuming and complex realization of the cross beam, the construction team began with the third construction section – the further rising pylon legs. The RCS Rail Climbing System was used on the inside of the hollow construction whilst the ACS SelfClimbing System raised the VARIO formwork on the outside. The combination of climbing systems facilitated fast construction process with crane requirements kept to an absolute minimum. Through the planned possibility of dividing the climbing formwork in construction section number 4

(means the upper area of the pylon), installation of the steel stay anchor boxes could be carried out without any interruption to the formwork and concreting operations. For the final cross beam of the pylon, formwork featuring VARIOKIT components was planned, preassembled and flown in according to the construction progress.

By preassembling the formwork sets in the PERI rental facility in the South of Chicago, the required assembly time on the construction site could be minimized. Another special feature: the Walsh / Vinci Construction consortium commissioned PERI to incorporate insulation between the girders of the VARIO GT 24 Wall Formwork. As a result, concreting operations could also continue throughout the winter – without incurring any loss of time for the corresponding timeconsuming and elaborate measures on site.

Not least, thanks to the comprehensive PERI support with technical planning as well as on-site project assistance, the jobsite team was able to realize the project with all its complexity within the tight schedule. Completion date and the opening to traffic are scheduled for the end of 2016.

Source: PERI GmbH



Photo: PERI GmbH

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# Vactor Introduces Vactor HXX ParaDIGm® Vacuum Excavator

Vactor Manufacturing recently introduced the Vactor HXX ParaDIGm® vacuum excavator for utility, municipal and contractor customers involved in the installation, maintenance and repair of underground water, sewer, gas, electric and telecommunications lines. This compact, multi-use truck can dig holes with water or air; vacuum, contain and dispose of drill mud; power pneumatic, hydraulic or electrical tools; and provide transport and storage of replacement parts, equipment and tools.

In addition, the ParaDIGm is ideally suited for subsurface utility engineering (SUE) contractors and other design planning firms involved in civil, road, municipal, commercial, industrial and residential projects.

"With the introduction of the ParaDIGm vacuum excavator, Vactor now provides the broadest product offering of water and air vacuum excavators, from very large units to the new, compact HXX ParaDIGm, in North America," said Ben Schmitt,

product manager, Vactor Manufacturing.

The ParaDIGm vacuum excavator is the result of a comprehensive, customer-focused design process based on qualitative field research involving more than 100 utility customers responsible for expanding, maintaining and repairing underground water, sewer, gas, electric and telecommunications conduits.

"Utility professionals have to be problem solvers each and every day, because they don't know what they might run into when they arrive on the job," said Mr. Schmitt. "They have to be prepared for anything, which is why they bring additional replacement parts, repair tools and equipment with them. With the ParaDIGm, they have a powerful vacuum excavator that can also store, haul and power all the tools and

equipment they may need on the job."

The ParaDIGm decreases the time associated with setup and tear down between excavated holes, significantly increasing



productivity. The trademarked "Park-n-Dig"™ design minimizes the time between arriving on the jobsite and excavation, including the capability to dig up to 1.8 m in depth without additional pipe and hose.

With the ability to use air or hydro excavation as the digging method, the Para-

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DIGm is a versatile vacuum excavator that can be used in a variety of applications.

The air compressor, which is standard on the ParaDIGm, is able to power utility tools such as jackhammers and tampers that may be used on the job. The truck features substantial storage space for these tools, including a long-handle tool box. The truck can also tow up to 9,000 kg.

The machine features a 15 cm hose and a powerful vacuum system capable of up to 62.3 m<sup>3</sup>/min 50.8 kPa of vacuum. The larger hose and vacuum system make the ParaDIGm a more productive vacuum excavator than other units this size.

The standard extendable boom with 15 cm vacuum hose delivers more than double the airflow when compared to competing models with 7.6- or 10 cm vacuum hose and a boom as an upgraded option. Because of this, the ParaDIGm's larger vacuum hose reduces hose clogging frequently found on smaller vacuum systems.



The ParaDIGm features a powerful, single-engine, PTO-driven design that drives all vacuum, air and water systems.

"Unlike other vacuum excavators this size that require 2 engines – one to power the truck chassis and one to generate vacuum and excavating power – the ParaDIGm delivers superior performance with a single engine," added Ben Schmitt. "This saves on fuel, parts, time and money spent

on additional engine maintenance. It also decreases job setup time and increases productivity."

The ParaDIGm is available on a Class 6 or Class 7 chassis, which can be helpful in jurisdictions where a commercial driver's license is not required. The compact, low-profile design and truck maneuverability are well-suited for tight, urban jobsites.

Source: Vactor Manufacturing

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# DICA Receives New Patent for SafetyTech® Outrigger Pads

DICA has added a fourth patent to its SafetyTech® outrigger pads. The most recent U.S. patent, issued in February 2016 (No. 9,254,821) is for C- or U-shaped TuffGrip handles used with any size or shape of SafetyTech pad.

"DICA's SafetyTech products are designed to be strong and unbreakable, delivering the consistent engineered performance that our customers and their crews rely on every day.

We are very happy to have received this new patent, which is reflective of the thinking, design and engineering our team puts into every DICA product," said Kris Koeborg, CEO.



The TuffGrip handle system was introduced in 2011 to help improve the long term durability of DICA outrigger pad products and provide an increased level of ergonomic safety for operators handling SafetyTech outrigger pads. Handle length is a small but important example of the innovative thinking in DICA's TuffGrip handle design. Handle length is specifically designed to encourage proper lifting that requires bending and lifting with the legs. The handle length also helps minimize trip hazards on the jobsite and, when being carried, reduces the "flopping around" of the pad common with excessively long handles.



In addition, recessed handles are a key innovation on all round SafetyTech outrigger pads. The design allows for easy rolling of larger pads which reduces lifting stress and the potential for back injuries. Lastly, the TuffGrip handle material itself is an incredibly strong, yet comfortable, engineered thermoplastic. It is backed by DICA's unbreakable guarantee and resistant

## Improved Day-to-Day Operational Safety on the Jobsite

An additional, active engine protection (MDM) by Weber MT sets the new gold standard for hand-guided soil compactors. It is now a standard feature offered for reversible plate compactors of the CR 6 to CR 9 series which complements the newly refined COMPATROL® 2.0 compaction control system. This means an improved operational safety, greater efficiency and a longer service life.

Weber MT is the only manufacturer to offer vibratory plates with built-in engine protection. This standard feature is available for the reversible soil compactors CR 6, CR 7, CR 8, and CR 9 (410 kg to 725 kg).

MDM-engine protection constantly checks all essential parameters of the engine. The Hatz diesel engine will shut-off automatically if the MDM discovers that the engine oil pressure / oil level is

too low, the engine temperature is too high or the air filter is full. If this happens, the operator is notified accordingly by an LED



indicator. This safeguard makes disastrous engine failures caused by insufficient maintenance a thing of the past.

Better still, the system also indicates

when the engine needs to be serviced. These benefits combined with the high-quality of the soil compactor increase and improve the service life and operational safety of the engine.

MDM-engine protection is also part of the COMPATROL® system version 2.0. Compaction control and engine protection, therefore, offer a dual safety feature.

COMPATROL® 2.0 is distinguished by its exceptional time and cost efficiency. This new and improved compaction control allows for uniform compaction across the entire compacted surface. Weak spots can be detected and compensated in good time. Perfect work results can now be achieved with a much smaller number of passes. The completion time and cost savings run at up to 25%.

Weber MT's introductory offer includes a 4-year warranty, or 600 hours, for all soil compactors equipped with MDM-engine protection.

Source: Weber MT, Inc.



## New SP8/GH9HP Surface Planer from General Equipment Co.

to UV degradation and chemical or water corrosion.

In addition to this newest U.S. patent, DICA also holds two other U.S. patents (8,814,121 and D686,794) and one Canadian patent (2,821,073) for the seating, insertion, and anchorage methods used for TuffGrip handles on various SafetyTech products.

The first of these patents was received in 2013, and additional patents are currently pending in both the U.S. and Canada.

Source: DICA

Providing high speed and accurate surface preparation, General Equipment Company is formally introducing its new SP8/GH9HP surface planer which is ideal for a wide range of job applications, including milling misaligned sidewalks and joints, removing thermo and cold plastic markings and prepping floors for new coating applications.

Powered by a 9.0-hp Honda® GX270 4-stroke gasoline engine, the SP8/GH9HP planer is built with a unitized, welded steel plate frame, exclusive full length hexagon driveshaft and extra capacity ball bearings, to make this unit a workhorse. The planer has a maximum cutting depth of 16 mm, a cutting width of 200 mm and a cutting proximity to a vertical wall of 82.5 mm.

Bearings are externally greased to extend the unit's service life. Cutting depth is adjusted using a screw-type, positive-locking depth selector, and the wheels located behind the drum make it easier to cut through high spots. Precise weight and balance enhance operator control and machine maneuverability.

Other than the SP8/GH9HP, General Equipment also offers electric- and pneumatic-powered surface planer models.

Source: General Equipment Company



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# Appointments

**Weber MT, Inc.** is proud to welcome **Joey Tetarenko** as the company's new regional sales manager for Ontario. He will be responsible for promoting sales of Weber MT products throughout the entire province. The former NHL hockey player also has 10 years of customer service driven sales and is the perfect addition to the "new" Weber MT team. Mr. Tetarenko comes with a wealth of experience within industry having a long history in the construction world as well as in heavy equipment sales. As a valued sales professional for his former employer Top Lift, he will help further develop the growing portfolio of Weber MT regional accounts.



"I am excited to start a new challenge working with a manufacturer, especially one that prides itself on developing premium products. I am fortunate to be joining such a respected company that puts innovation and exceptional service at the forefront," commented Joey Tetarenko.

"I am confident that Joey will provide our dealers in Ontario with the knowledge and service they deserve and play a key role in developing the already growing market within Canada," said Peter Witt, president for Weber MT, Inc. in North America.

Source: Weber MT, Inc.

**Dexter + Chaney**, the leader in cloud-based construction ERP software and provider of Spectrum® Construction Software, is pleased to announce the following promotions among the company's executive team.

**Scott Rosenbloom** has been named the company's vice president-Strategy. In his new role, he will oversee all product direction and management, as well as manage the company's third-party partnerships and technology integrations. Mr. Rosenbloom will continue to work at improving features and functionality within Dexter + Chaney's flagship Spectrum suite, while pairing those features with external technologies, services, and integrations.



"This is a very exciting and pivotal time in the construction industry," said Scott Rosenbloom. "There is a lot of opportunity out there to embrace and adopt new ideas and technologies that will enable Spectrum to continue to advance the state of the industry and continue to deliver value to our clients. Innovation and integration are key to delivering the tools that our clients want, and I'm honored to be leading that charge here at Dexter + Chaney."

**Curt Westberg** has been named vice president-Customer. His duties will include managing client relationships, delivering customer communication satisfaction and retention strategies, developing client advocacy programs and increasing customer

awareness and education of Dexter + Chaney products and services. Mr. Westberg will be fostering these client best practices and programs throughout the company's departments.

"Dexter + Chaney has always enjoyed a strong reputation as a company that listens to and invests in its customers, driving our technology development around their needs," said Curt Westberg. "As our company has grown significantly over the past few years, this is a chance to take those relationships to the next level and create truly collaborative and rewarding partnerships with our clients. As a long-time member of this company who has worked closely with customers over the years, I am very excited about this opportunity."

Both Scott Rosenbloom and Curt Westberg will report to Dexter + Chaney president and CEO Norbert Orth. In June, the company announced Mr. Orth taking over the CEO duties from John Chaney, who transitioned to executive chairman.

Source: Dexter + Chaney



The **ALL Family of Companies** is pleased to announce the promotion of **Richard "Dick" McDermott** to national service manager.

Mr. McDermott is based in Chicago, Illinois, where ALL operates as Central Contractors Service. He started with Central in 1991 as a crane mechanic and erector, traveling the country to service and assemble/disassemble equipment on the road. In 2001, he was promoted to service manager and equipment superintendent of the Chicago location.

As national service manager, Richard McDermott will be in charge of creating and implementing a cohesive approach to the proactive maintenance and prompt repair of all equipment across the company's 38 North American branches. The new national position was created to help identify best practices that enhance the ALL Family's culture of service. With Mr. McDermott as the central point of contact for teams across the branches, ALL will have solid leadership to maintain the strong service model for which it is known.

Source: The ALL Family of Companies



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## Morbark Introduces New Flail

Morbark, LLC, has added a smaller flail option to its product line, the 223 Stand-alone Flail. Easy to transport, the model is



efficient and robust for in-woods chipping applications.

"Through extensive market research that included design input from customers, we saw the need for a smaller, more affordable option that gives contractors the versatility of being able to produce clean chips or transition back to producing a fuel chip with relative ease, which is key in an ever-changing chip market," said Michael Stanton, Morbark Industrial Products Business Unit director. "The Morbark 223 Flail gives contractors the power of our larger equipment with the portability of a smaller unit to serve diverse markets."

The 223 Flail is designed to work in conjunction with chippers like the Morbark 23 Chiparvestor®, the 40/36 Whole Tree Drum Chipper or similar machines. With a large 142 cm x 58 cm infeed opening, the 223 Flail accepts logs up to 58 cm in diameter at a feed rate from 20-45 m/min. The Morbark Integrated Control System allows for fine adjustment of feed rate and flail drum speed so that bark removal is maximized and removal of "good" fiber is minimized for superior end products.

With the widest flailing chamber in the market, the 223 reduces hassle while feeding and allows for additional stems to be fed during operation. The most ground clearance and debris plow pushing power in the industry eliminates the potential of plugging, while four independent stabilizers level the machine on nearly any type of jobsite.

Other key features of the 223 flail include the dual horizontal segmented flail drums – each equipped with eight flail chain rods – which are more durable and provide longer wear life than traditional tubular style drums used by competitors, and a

large work/inspection area for easy access to engine and hydraulic components, for easier maintenance and reduced costs.

Morbark has produced aggressive, highly productive stand-alone flails and combination flail Chiparvestors since 1990. Morbark Flails are designed to provide unmatched flexibility in controlling

individual variable flail drum speeds, feed rate and other parameters, while meeting the challenges of varying timber, climate, species and conditions.

Source: Morbark, LLC

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## Agenda

### InnoTrans 2016

September 20 - 23, 2016  
Berlin, Germany

### DEMO INTERNATIONAL 2016

September 22 - 24, 2016  
Maple Ridge, BC Canada

### MINExpo

September 26 - 28, 2016  
Las Vegas, NV USA

### IFAT India

September 28 - 30, 2016  
Mumbai, India

### Xplor 2016

October 5 - 6, 2016  
Montreal, QC Canada

### 9th Annual WaterSmart Innovations (WSI) Conference and Exposition

October 5 - 7, 2016  
Las Vegas, NV USA

### ExpoTunnel 2016

October 19 - 21, 2016  
Bologna, Italy

### INFRATURK Exhibiton & No-Dig Conference and Exhibiton

October 20 - 23, 2016  
Kocaeli, Turkey

### Offshore Energy Exhibition & Conference

October 25 - 26, 2016  
Amsterdam, The Netherlands

### Waste & Recycling Expo Canada

November 9 - 10, 2016  
Toronto, ON Canada

### BAUMA China

November 22 - 25, 2016  
Shanghai, China

### Pollutec 2016

November 29 - December 2, 2016  
Lyon, France

### BAUMA CONEXPO INDIA

December 12 - 15, 2016  
Gurgaon/Delhi, India

### Landscape Ontario's CONGRESS

January 10 - 12, 2017  
Toronto, ON Canada

### IFAT Eurasia

February 16 - 18, 2017  
Istanbul, Turkey

### CONEXPO-CON/AGG 2017

March 7 - 11, 2017  
Las Vegas, NV USA

### NASCC: The Steel Conference

March 22 - 25, 2017  
San Antonio, TX USA

### SMOPYC.

April 4 - 7, 2017  
Zaragoza, Spain

### National Heavy Equipment Show

April 6 - 7, 2017  
Toronto, ON Canada

### ExpoCam, Canada's National Trucking Show

April 20 - 22, 2017  
Montreal, QC Canada

### APEX

May 2 - 4, 2017  
Amsterdam, The Netherlands

### IRT Asia 2017

May 25 - 27, 2017  
Bangkok, Thailand

### Canada North Resources Expo

May 26 - 27, 2017  
Prince George, BC Canada

### BAUMA CONEXPO AFRICA

March 13 - 16, 2018  
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