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A Brief Word...

In the words of a once popular song; It's a long, long time from May to December, and the days grow short as you reach September.

Well, it's September and the daylight is on the wane and the mercury is finding it difficult to get up in the morning, like many of us. However, duty calls, and completion dates loom, and winter operations need attention.

The good news is two-fold; Firstly, in less than four months the days will get longer again, and secondly InfraStructures is here to inform and entertain you on these long dark afternoons.

Rattle the grate and up the candle power for a relaxing and informative read about the equipment industry.

Learn what advancements and ideas could be making your work more efficient or easier. New models, attachments and tools as well as applications and ancillary news will arm you for the coming winter season.

So find some coco and your favorite chair and take your place in this industry of ours.



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On the cover: we see the Merlo Roto 45.21 demonstrate its great versatility by installing gas pipes on a Pomerleau project in the province of Quebec.

Merlo is the most productive, compact, comfortable and safe lifting equipment on the market and Manulift is the importer and distributor of Merlo in Canada.

CUMMINS POSITIONED FOR GROWTH AND LEADERSHIP IN NEW AND EMERGING TECHNOLOGIES

Earlier this summer, Cummins Inc. executives shared how the Indiana-based engine manufacturer is positioned to lead in current and future technologies, including its core business, electrification, alternative fuels and power solutions, as well as in digital capabilities, data and analytics.

"As a global power leader for the commercial and industrial markets we serve, we are better positioned than any other company to win in new and emerging technologies," said Tom Linebarger, Cummins chairman and CEO. "Over the past 100 years, our ability to innovate and adapt has fueled our success and we are confident we are on the right path to do it again at this critical juncture. We are prepared to provide a range of power technologies to

our customers from diesel and natural gas to fully electric and hybrid powertrains to ensure they always have the best solution for their application."

Cummins continues to focus on its core business segments – engine, power systems, components and distribution business. Examples of success in this core business include products like the company's largest engine platform to date, the QSX95; the latest X15 engines, which offer class-leading fuel economy and maintenance costs, leveraging proprietary components technology like the innovative single module after-treatment, which is 60% smaller and 40% lighter. All are backed by the broad support capability of Cummins experts, globally.

Earlier this year, Cummins enhanced its efforts to commercialize its electrification capabilities, bringing together Cummins knowledge and significant experience in the electrified powertrain space. In addition, the company is exploring potentially partnering with others to ensure development of leading technology in energy storage, power electronics, traction motor systems and component control for commercial applications. Cummins will begin electrified powertrain delivery in 2019, including battery electric and plug-in hybrids. These are just the first steps as the company signals its intention to be the leading provider of electrified powertrains in the commercial and industrial markets.

Today, Cummins delivers zero emissions natural gas engine systems that are a great fit for urban areas addressing air quality issues and requirements. Natural gas engine technology can have a very low carbon footprint and can even be considered carbon negative when paired with renewable natural gas. Today's natural gas engines and fuel systems are better than ever, vehicles have a much longer range, maintenance is improved, and fueling station availability has expanded – all of which lead to significantly improved uptime and total cost of ownership for fleets.

Additionally, Cummins has invested in R&D projects to build capability to develop products utilizing a wide range of fuels. The company is developing high efficiency gasoline technology that can deliver diesel-like performance and durability, meeting the most stringent emission requirements while maintaining competitive fuel economy.

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Longer term, Cummins' Research and Technology Department will continue to investigate the viability of alternatives like bio-fuels, synthetic fuels and hydrogen. Cummins has also invested in exploratory projects focused on Proton Exchange Membrane and Solid Oxide Fuel Cell technologies – both with increasing potential to offer superior power density over the traditional internal combustion engine.

Customers are looking for convenient and responsive interactions, real-time updates, and information that make products safer, more productive and easier to use. Cummins has offered telematics systems in some markets for many years, but the potential for digital goes far beyond telematics systems and at a faster pace. Recognizing this, in May 2017, Cummins formed a new internal organization led by Sherry Aaholm, Cummins Chief Information Officer, called the Digital Accelerator. This new organization seeks to streamline innovation, bringing concepts from the idea stage to commercialization at the most efficient and effective pace.

Source: Cummins Inc.



Indoor Area - 4940

VANAIR ACQUIRES CYCLONE AIR POWER

Vanair Manufacturing Inc. recently announced the acquisition of the Cyclone Air Power product line from Sullivan Palatek. The purchase allows Vanair to add to its industry-leading mobile power offerings.

Founded in 1994 in Staten Island, New York, by Robert Meeker, Cyclone Air Power's primary product offering are PTO-driven power systems, making it a perfect fit with Vanair. Mr. Meeker has joined the Vanair sales team as the vice president of Cyclone Products, and will spearhead the efforts to continue serving Cyclone customers, as well as promote Vanair products throughout the U.S.

"We are excited to have Cyclone Air Power as an addition to our mobile power solutions," stated Ralph Kokot, CEO of Vanair. "As our company has grown over the years, we have always focused on meeting the needs of our customers. Cyclone Air Power offers another option for customers from our expanding product line."

Source: Vanair Manufacturing Inc.



Area L - L417

MISSISSAUGA BUS COACH AND TRUCK REPAIRS SIGNS AGREEMENT WITH BYD HEAVY INDUSTRIES

Mississauga Bus, Coach and Truck Repairs Inc. (MBCT) a division of Mississauga Bus Group of Companies, and BYD Heavy Industries out of Lancaster, California, have signed an agreement to help support BYD electric vehicles in Eastern Canada. MBCT has become a reliable service provider and partner to transit systems in the Canadian market for a number of years and will pass that expertise onto the BYD product range of electric vehicles. BYD Heavy Industries, is a subsidiary of BYD enterprises in China, the world leader in Electric vehicles.

MBCT will handle parts, service and warranty for BYD buses and trucks and will stock parts for all BYD types of vehicles that will be sold into the Canadian Market place.

"It is important for BYD to partner with a reputable company in the Ontario market as we look to sell our products there. One of the biggest concerns we had was being able to support any vehicles from California or China. With this agreement in place, these concerns are alleviated. MBCT has built a reputation as Canada's go-to shop for parts, maintenance and keeping vehicles on the road. It's a great vote of confidence in our product & technology to have them associated with BYD," said Ted Dowling, vice president for BYD Heavy Equipment. MBCT president Mahendra

(Raj) Mahadeo echoed the sentiments. "We were very impressed with the plants our team visited in China and in California. With the concern over emissions and the move toward zero emission vehicles, we know that electric vehicles will be part of the future of transportation. Our dedicated technicians look at this as a great opportunity to learn a new skill and we expect this relationship will be great for all involved."

Source: Mississauga Bus, Coach and Truck Repairs Inc.

NEW PRINOTH DEALER IN SOUTHERN ONTARIO

PRINOTH recently announced the appointment of CG Equipment as its newest tracked vehicles' dealer in Canada.

Located in Southern Ontario, CG Equipment is well-established as a construction equipment dealer. CG Equipment will service the province's various markets as well as other off-road projects and industries.

PRINOTH is proud to report that the number of new dealers representing them throughout North America has grown significantly since the beginning of 2017.

"Pipeline construction for oil and gas is certainly on the increase. There are many external reasons that generate this level of interest in PRINOTH's products but our technology combined with the outstanding quality and reliability of our platform, are 2 qualities we feel dealers are seeking when selecting new product lines to take

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on," commented Doug Little, director of Sales at PRINOTH.

Source: PRINOTH



Area N - N3016

VMAC NOW ISO 9001:2015 CERTIFIED

VMAC has been awarded the ISO 9001:2015 certification, which recognizes the company for outstanding attention to quality management and standardization, as well as a focus on continuous quality improvements. ISO 9001 is the most respected quality certification awarded by an independent auditor, and requires an organization to undergo comprehensive

audits every 3 years, plus surveillance audits annually.

This past June, 2 representatives of ISO (International Organization of Standardization) visited VMAC's office and manufacturing facility to perform the certification audit on VMAC's quality management system to upgrade the company from ISO 9001:2008 to the 2015 revision. The auditors also discussed VMAC processes, improvement initiatives, and the tools being used to ensure products and services meet the quality standards.

"Once again, the VMAC team demonstrated with facts all the efforts, develop-

ment, and continual improvement we strive for each day," says Sandra Amador, VMAC's director of Continuous Improvement. "We have been approved for re-certification to the new revision of the standard ISO 9001:2015."

The ISO 9001 certification follows criteria on 7 different quality management principles, which include customer focus, leadership, engagement of people, process approach, improvement, evidence-based decision making, and relationship management. By meeting the criteria, 9001 certified companies, like VMAC, have proven their ability to consistently provide customers with high-quality, safe, and reliable products and services.

"The quality management system was supported and tested in every department of our organization, and we demonstrated our work and commitment towards quality while maintaining focus on our strategic plans," notes Sandra Amador. "As an ISO 9001 certified company, VMAC is committed to achieving customer satisfaction through continual improvements in our quality of products and services."

Source: VMAC Global Technology Inc.



Indoor Area - 2008

Area L - L336

ARDCO Introduces Pipe Trailer for Its Articulating Multi-Purpose Truck



ARDCO introduces a new AMT Pipe Trailer attachment for the Articulating Multi-Purpose Truck (AMT). Designed for safe and efficient handling of pipe, the AMT Pipe Trailer offers adjustable lengths and exceptional load capacity, making it ideal for off-road transport in pipeline or utility construction applications.

Built specifically for the ARDCO AMT 600, the pipe trailer easily attaches to the truck using a supplied hitch mount with conventional fifth wheel connection. The trailer features a flexible-load rear frame with 45° swivel capabilities, trailer axles with available braking system, and various tire options.

To protect against damage to pipes or other products, the load surface is constructed of oak timbers and the side pole surface is Teflon-coated. The trailer offers a load capacity of 22,680 kg. Trailer length can be adjusted from a maximum of 10.88 m to a minimum of 6.75 m.

The pipe trailer is one of many ARDCO attachments compatible with the modular back-end platform of the AMT 600. The AMT 600 is powered by a 250 hp Cummins QSB6.7 Tier 4 final (T4f) diesel engine, features selectable 4- or 6-wheel-drive, and has a top travel speed of 40 km/h. The AMT 600 includes a Dana 6-speed powershift transmission with twist grip shifter and AxleTech rigid planetary axles with driver-controlled differential lock.

Specifically built for off-road travel, the AMT 600 includes a high-strength center pivot trunnion with approximately 20° of oscillation, which allows all the tires to maintain ground contact and traction while travelling over rough terrain. Dual hydraulic cylinders provide 37° of steering each way, and articulating motion allows the tires to slide left or right in wet/muddy terrain to gain traction.

Optional accessories include a hydraulically-operated front push blade, front-mounted hydraulic winch, heavy-duty front bumper/brush guard, and auxiliary hydraulics. The AMT 600 is covered by a limited one-year warranty.

Source: ARDCO

STRATAPRO ENGINEERING SOFTWARE TO STREAMLINE GRS DESIGN

Strata Systems, Inc. recently launched the latest version of StrataPro™, an engineering software platform that gives designers the ability to analyze a variety of faced systems on geosynthetically reinforced soil (GRS) structures. Strata says the platform, which is available upon request through its website, will help designers to determine the optimal GRS solutions for their respective clients.

"StrataPro is just the latest example of Strata's commitment to developing innovative solutions that will advance the entire geosynthetics ecosystem. We are proud of this technology, and the value it will bring to our partners in the design community," said Craig Bell, general manager of Strata Systems, Inc.

StrataPro provides elevation and section views of GRS structures and allows designers to quickly and easily modify design characteristics such as wall type, geometry, and reinforcement location. The tool produces results in real-time, ensuring accurate material quantity estimates for face

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area, infill, reinforcement, and drainage. StrataPro facilitates internal compound stability, static, and seismic analyses. Users can manually input data or import existing files from Microsoft Excel® and AWall®. StrataPro is interoperable with ACAD®, as well as slope stability platforms ReSSA® and GSLOPE®.

The software integrates important industry design methodologies such as

NCMA (3rd Edition), AASHTO 2010 and 2015, BS8006-10, as well as FHWA-NHI 10-024 and 10-025.

Source: Strata Systems, Inc.

TRIMBLE CHOSEN BY SUMITOMO AS ITS PREFERRED TECHNOLOGY PROVIDER FOR MACHINE CONTROL

Trimble and Sumitomo Construction Machinery Co., Ltd. recently announced that

Trimble has been chosen as Sumitomo's preferred technology provider for machine control solutions. Working closely with Trimble, Sumitomo will offer the Trimble® Earthworks Grade Control Platform for Excavators as a factory-fit machine control solution for the Japanese market. The solution gives customers 2 options: 2D Machine Guidance or 2D Machine Control. Both solutions can benefit Sumitomo customers by increasing the productivity and quality of finished earthworks.

"Sumitomo is pleased that our customers in Japan will soon have the ability to choose 2D Machine Guidance or 2D Machine Control options for their new SH200-7 excavators direct from the factory," said Atsuo Fukushi, director and general manager of the Engineering Division of Sumitomo Construction Machinery Co., Ltd.

"The collaboration between Trimble and Sumitomo takes excavator performance to the next level with Trimble Earthworks semi-automatic excavator machine control," said Troy Rigby, OEM manager for Trimble Civil Engineering and Construction, Asia Pacific. "Our mutual customers will benefit from the improved productivity and quality control that the Trimble Earthworks Grade Control Platform and Sumitomo machine integration enables."

Source: Sumitomo Construction Machinery Co., Ltd.

DSC Delivers Its First T4f Dredge

In February 2017, DSC Dredge delivered its first-ever dredge equipped with a Tier 4 final (T4f) C32 ACERT Caterpillar engine to a minerals company located in the U.S. This Shark Class Dredge features an 457 mm hull-mounted dredge pump and 300 hp cutter drive assembly, and has a dredging depth capability of 17 m. DSC supplied stainless steel hydraulic fittings and used anti-corrosion building practices, as the dredge will be working in a corrosive environment. The minerals company also purchased an anchor barge fabricated by DSC, which included a T4f engine for the hydraulic winch drive system.



The U.S. Environmental Protection Agency (EPA) T4f emissions standards went into effect for dredges last year. Engines ranging from 2,682 to 4,962 hp were first affected by the standards. But by October 2017, all new engines with a maximum power of 804 hp and greater must meet T4f emission standards. The new rules were enacted to further reduce 2 main pollutants that diesel engines emit when they run – particulate matter (PM) and nitrogen oxides (NO_x). NO_x contributes to the formation of ground-level ozone, which is a primary factor in air pollution. Exposure to PM has been shown to adversely affect the respiratory system, according to the EPA.

DSC worked closely with Caterpillar for this "green" build. "DSC and Michigan CAT utilized a strong engineering collaboration to install the first Tier 4 Final engine in a DSC Shark dredge – the C32 Tier 4 Final 1,125 hp," said David Ezell, OEM account manager for Michigan CAT. "The C32 T4f engine is a 32 l V12 engine with horsepower ranges from 1,000 hp to 1,125 hp. The C32 has industry-leading torque of 4,056 lb-ft at 1200 rpm. Mr. Ezell explains that Caterpillar was able to achieve the T4f regulations in the C32 with the use of the Caterpillar NO_x Reduction System and dual maintenance-free diesel oxidation catalysts (DOC). "The robust Caterpillar T4f engines were tested and proved with over 4.6 million hours of in-field testing and validation to deliver highest horsepower and torque ratings with lowest cost of ownership in the industry," he adds.

The DSC Shark Class dredge offers standard discharge sizes ranging from 250 mm to 600 mm, which are customizable upon request. It has a conventional dredge-operating configuration with a modular design for easy transport. The Shark is unique in that it offers the features of a larger dredge in an exceptionally portable design. Available with diesel or electric power, the Shark includes a PLC operating system, electro-proportional hydraulic circuits, high-capacity service water system and an inline direct marine-style transmission for dredge pump reduction. The Shark is customizable to exact application and production requirements.

Source: DSC Dredge, LLC

AUSTRALIAN CRANE COMPANIES EXPANDING WITH TEREX AND DEMAG CRANES

Terex Cranes recently received orders from 7 Australian companies for new cranes. Mammoet, Brendon Penn Crane Hire and Melmar Cranes, are expanding their fleet with the addition of Terex® MAC 25-4 pick & carry cranes, compact and maneuverable units with an 18 m telescopic boom that can achieve highway speeds. South32 Cannington and Mandurah Crane Hire are adding a versatile Terex AT-22 pick & carry crane with a 22 t lift capacity and 17 m maximum hook height. Qwest and JIAB/Caboolture Cranes chose a new 5-axle Demag® AC 130-5 all terrain crane, the most compact machine in its class that boasts an impressive main boom length of 60 m.

"We are thrilled to see our valued customers expanding their fleet of cranes," says Danny Black, general manager for Terex Cranes Australia. "Helping our

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customers be successful is our number one goal; their success is our success. We depend on our customers' feedback to help us continuously improve and develop equipment that will keep them productive, efficient and profitable."

The recent Terex and Demag crane orders in Australia are scheduled for delivery over the next few months.

Source: Terex Corporation

CRS CONTRACTORS RENTAL SUPPLY TO BE ACQUIRED BY SUNBELT RENTALS

CRS Contractors Rental Supply Limited Partnership has entered into a unit purchase agreement to sell CRS to Sunbelt Rentals, the North American business of

Ashtead Group plc, for \$275 million plus a potential earn-out. CRS is Sunbelt's first acquisition in Eastern Canada and will become Sunbelt's operational platform in Ontario. The proposed transaction is expected to close in the coming weeks after satisfaction of certain regulatory approvals.

CRS was founded in 2000 by a group of industry veterans, and has developed and maintained a reputation for providing the best customer service in the industry of equipment sales, rentals and services. CRS has grown significantly and now employs over 400 people across 28 locations in Ontario.

Source: CRS Contractors Rental Supply

COOPER EQUIPMENT RENTALS ACQUIRES ALBERTA LIFT

Cooper Equipment Rentals Limited recently announced that it has acquired Alberta Lift and Equipment Rentals Inc.

Established in 2012, Alberta Lift is an equipment rental company focused on aerial equipment that services Southern Alberta from its branches in Calgary and Lethbridge. The company has built its business through an uncompromising dedication to customer service. Alberta Lift offers quality, late model equipment that is supported by a highly experienced team of rental professionals. Justin Wharton, the president and co-founder of Alberta Lift, will assume a senior role with Cooper, and will help grow Cooper's business in Western Canada.

Established in 1972, Cooper Equipment is a Canadian owned full-service construction equipment rental company, servicing contractors throughout Ontario and in parts of Quebec and Alberta. Cooper specializes in compact equipment and aerial rentals and offers a broad range of construction equipment and supplies, backed by unparalleled service and support. The company operates 25 rental locations. In 2013 Cooper received a majority investment from Halifax-based SeaFort Capital.

Source: Cooper Equipment Rentals Limited

New Paver Roller from Weber MT

Product development at Weber MT always focuses on the needs of the customers. That is why the product spectrum also includes highly specialized products. The company has now added an additional, smaller machine for convenient installation of large paving slabs: the VPR 450 paver roller.

In recent years there has been a growing trend toward enhancing modern sidewalks, public areas and squares with large-sized paving slabs. While such paving slabs are modern and attractive, installing them generally involves physically demanding work. A common method is to use a rubber mallet to tap the slabs into the bedding. The widespread use of protective rubber mats, which are mounted under conventional vibrating plates, is of limited usefulness for this purpose. The risk of these delicate slabs slipping out of position, cracking or receiving broken corners and edges is too high.

To enable gentle, professional and efficient installation of the concrete paving slabs, Weber MT developed the VPR 700 paver roller 2 years ago. Since this innovation has achieved a successful market position, an additional, smaller model has been added – the VPR 450. The new model was developed in response to requests from hardscapers, landscapers and machine rental companies for a machine that weighs less. The paver roller VPR 450 weighs 108 kg and delivers a centrifugal force of 8 kN, with a working width of 42 cm. The new paver roller is ideal for installing paving slabs with a width of 30 cm (for example 30 x 30, 30 x 40 or 30 x 60).

It also allows the paver roller to press delicate concrete slabs with a relatively low thickness gently into their bedding. The machine is just as effective when it comes to vibrating the joint seal into the joints. Operating the paver rollers with peak efficiency even in cramped spaces is no problem thanks to the folding guide bar. What is more, the operator can set the machine to the operating speed he requires.

Source: Weber Maschinentechnik GmbH



HOLDER TRACTORS WELCOMES WESTVAC INDUSTRIAL AS ITS AUTHORIZED DEALER

Holder Tractors Inc. is pleased to announce that Westvac Industrial is now an authorized dealer for Holder tractors. With locations in British Columbia, Alberta, Saskatchewan and Manitoba, Westvac can provide Holder's customers responsive, competent and excellent service across Central and Western Canada for the full line of Holder tractors and Holder approved attachments.

Westvac Industrial is a municipal and industrial dealership that has been in operation since 1997. With 3 divisions – Lifts & Automotive, Fleet, and Fire. They offer complete lines of heavy- and light-duty lifts, automotive wheel service equipment, sewer inspection and cleaning equipment, hydro excavators, refuse collection vehicles, street sweepers, and fire and rescue vehicles.

Source: Holder Tractors Inc.

Trend of The "Interconnected Airport" Opens up New Possibilities for the Airport Industry

The 21st International Exhibition for Airport Equipment, Technology, Design & Services, *inter airport* Europe, will take place from October 10-13, 2017 at the Munich Trade Fair Center in Germany. Just a few weeks ahead of the show, with around



31,000 m² of net exhibition space, the show has further grown in terms of stand space compared to the previous event. The trend currently driving innovation in the airport industry is the "interconnected airport",

which is therefore in the spotlight of this year's show.

Around 620 exhibitors from 43 countries have already secured their booth space at the world's leading airport exhibition.

The most important exhibitor countries, besides Germany, are currently the U.S., France, Great Britain, the Netherlands, Italy, Denmark, Spain, Sweden, China and Switzerland. This year, on even more floor space than before, exhibitors will present the most comprehensive range of equipment, technologies, design and services from all 4 exhibition categories: interRAMP (ground support equipment), interTERMINAL (technical terminal installations and services), interDATA (specialized hardware and software) and interDESIGN (architecture and furnishings). The latest solutions and equipment as well as innovative services for ground handling,



terminal operations, airport IT and airport design are the main focus of *inter airport* Europe. This year, this is especially demonstrated through the new concept of the interconnected airport, which is currently an important topic in the airport industry.

Source: Mack Brooks Exhibitions Ltd

thyssenkrupp to Keep Improving Flight Connecting Times at Toronto Pearson International Airport

thyssenkrupp has finalized a 5 year contract with the Greater Toronto Airports Authority to maintain more than 350 elevator and escalator units installed at Toronto Pearson International Airport. The company was awarded this contract thanks to its innovative technologies and high-quality products and services which focus on improving mobility in our globalized world.

An example of thyssenkrupp's innovation capacity is the high-speed moving walkway technology that provides a totally new and efficient solution for the mobility challenges of airports with high passenger numbers. Two units went into operation for public use at the beginning of 2009. Since then, more than 19 million passengers have used the service during their connections through the airport, with both units achieving availability service rates above 95%. The unique high-speed moving walk bridges the gap between conventional moving walks and traditional transportation, such as buses or automated people

movers. It provides safe and smooth transport, enabling passengers to reach a 12 km/h speed by walking, while offering the airport the capacity to potentially transport more than 14,000 people per hour.

thyssenkrupp continuously invests in technology that improves public transportation, increases accessibility and enables passengers to travel more quickly. Building up on the success of the accelerating moving walkways installed in the Toronto airport, thyssenkrupp developed a new generation with ACCEL, which is available now. It provides an efficient solution to the dominating global challenges of urbanization. It further alleviates traffic congestion, and reduces connection times between gates in airport terminals by up to 70%. Applying linear motor technology from the Transrapid magnetic train, ACCEL can transport as many passengers as typical fully automated cabin systems.



thyssenkrupp Airport Systems S.A. will exhibit at *inter airport* Europe, from October 10-13, 2017, in Munich Germany.

Source: thyssenkrupp Elevator AG

Demag® AC 1000-9 Lifts Top Section of Fractionating Column at Refinery in Vienna

A series of maintenance activities at the OMV refinery in Vienna, Austria, required for the 13 t top section of a fractionating column to be replaced. For this challenging task, which required ample planning expertise, OMV commissioned Austrian crane service provider Prangl Gesellschaft m.b.H., which relied on the capabilities of its Demag® AC 1000-9 all terrain crane for the job.

Whenever production operations have to stop at a refinery, it costs a fortune. Accordingly, the Prangl team left nothing to chance and planned out the project with utmost meticulousness. They chose their Demag AC 1000-9 crane because it has enough lifting capacity to lift the load to the required height of 70 m while still maintaining an adequate safety reserve, and at the same time, it is manoeuvrable enough to move through the labyrinthine refinery with its numerous pipelines.

"The AC 1000 is our biggest telescopic

crane, as well as one of the most powerful cranes in the world. That's why we had it come from its previous work location in Hamburg all the way to Vienna without further ado," points out Christian Fida, project manager at Prangl.

The AC 1000 was also able to shine at the refinery thanks to another one of its characteristics – namely, its ease of assembly. The Prangl assembly technicians had come up with a setup strategy that took advantage of precisely this characteristic: First, they pre-assembled the crane with the 100 m telescopic boom, Superlift system plus winch frame, and 4 outriggers in front of the refinery gates, after which crane operator Heinz Schuller manoeuvred it underneath 2 pipe racks and all the way to the designated crane setup location. Once there, the 188 t counterweight was added and the outriggers were extended



fully. With this configuration, the crane was ready to lift the top section, which weighed 13 t together with the slinging gear being used, to a height of 70 m with a radius of 60 m so that it would be possible to install it on the fractionating column.

Source: Terex Corporation

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New VMAC G30 Air Compressor with Honda Gas Engine

VMAC has released the new G30 gas engine-driven air compressor, now powered by a Honda GX390 gas engine. The G30 offers up to 850 l/min at 100% duty cycle, making it the best choice for operators using air tools for light-duty applications, including mobile mechanics, tire service technicians, and light-duty contractors.



The change from the Subaru EX40 engine to the Honda GX390 engine is significant, as it represents several major improvements to VMAC's popular G30 air

compressor.

The Honda GX390 driven compressor is now 23% quieter at high idle, and 75% quieter at low idle than the previous Subaru EX40 driven compressor, and it is 15% more fuel efficient, running longer on a single tank of gas. Furthermore, the VMAC G30 now has improved operational performance at hot temperatures and high elevations.

This rotary screw air compressor weighs just 90 kg and does not require a bulky air receiver tank to be added to the service truck. The result is a lighter and more powerful air compressor, when compared to equivalent reciprocating gas drive air compressors with 114 l air receiver tank.

To celebrate the launch of the VMAC's new G30 gas engine-driven air compressor,



VMAC is giving away a G30 at the ICUEE show in Louisville this October.

Source: VMAC Global Technology Inc.

Indoor Area - 2008

Area L - L336



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John Deere Updates L-Series Backhoes

Updates to the John Deere L-Series backhoe lineup enhance the productivity and uptime for users looking to lift more and multitask on the jobsite. The key backhoe updates include the introduction of precision mode, enhanced pilot controllers, 2 new rear quick coupler offerings and a redesigned hydraulic thumb.



As a new standard feature on the 310SL HL, 410L and 710L, precision mode allows reduced-speed hydraulic functions while operating the backhoe end of the machine – all with the push of a button on the



Sealed Switch Module (SSM). The mode allows accurate, detailed work to be performed easily in tight areas, around utilities or while craning, and it helps new operators become comfortable with the backhoe as they master their operating skills.

John Deere also improved the pilot controller – increasing the metering range by 16% – which enhances operator feel at the control helm. Additionally, engineers

enhanced consistency between functions (acceleration and deceleration) for smoother operation and reduced system oscillation.

The new rear hydraulic coupler was designed with an integrated control that is incorporated into the SSM for reliable operation and clean installation. A spring-type rear coupler is also new and offers increased productivity and uptime by

IMT Introduces New Dominator III Mechanics Truck and Telescopic Crane

Iowa Mold Tooling Co., Inc. (IMT), an Oshkosh Corporation company, is pleased to introduce the new Dominator® III 3.35 m mechanics truck and 7.62 m telescopic crane with a 5,443 kg capacity.

“We took the same approach with the 3.35 m version of the Dominator III as we did with the 4.27 m – provide a reliable, durable service truck with high-performance capabilities,” said Jim Hasty, general manager of IMT. “We aimed to meet our customers’ needs while offering a lighter, maneuverable body paired with increased lifting capacity from the 7.62 m 5,443 kg crane.”

The new Dominator III is capable of working in tighter quarters than its bigger counterpart, maintaining stability and providing extra lift performance in critical work zones. The 3.35 m body was driven by a market demand for a maneuverable truck that provides all the convenience and support of a service truck with the ability to meet tight application needs.

“The 3.35 m body paired with the



5,443 kg crane offers operators enhanced flexibility on the worksite without sacrificing lifting capacity,” said Mr. Hasty. “Customers will find that the new Dominator III is an economical solution that has all the quality and options they’ve come to expect from IMT.”

Additionally, IMT reduced the weight of the upgraded 7.62 m 5,443 kg telescopic crane by 200 kg, while increasing the crane rating to 11.2 tm. The IMT® 12000-lb crane can clear a 5443 kg load easily, excelling in

zones where operators work. Its increased capabilities complement the improved, lighter Dominator III body, while offering operators superior performance.

The Dominator III 3.35 m body enhances IMT’s Dominator line of service trucks, while providing superior performance and customizable options in a compact solution.

Source: Iowa Mold Tooling Co., Inc.

PRT Releases New Maintenance Logbook for Sewer Rehab Cutters

only requiring the operator to leave the cab once during the process of changing buckets. The only tool required is the provided control rod, which is sized to fit in the standard toolbox. By only leaving the cab to release the current attachment, the operator is able to get back to work faster and easier than with traditional manual couplers.

A redesigned hydraulic thumb option reduces trench interference and improves contact points against the bucket cutting edge when handling or loading irregular shaped objects, debris, rocks or anything that cannot be handled with a bucket alone.

Source: Deere & Company
John Deere Construction & Forestry
Area K - K245

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Pipeline Renewal Technologies is offering a free, printed, full-color logbook to encourage and simplify routine maintenance for sewer rehab cutters. It features checklists and sign-offs for the start and end of each working day, as well as weekly maintenance steps. Without regular preventative maintenance, cutters are costlier to operate and less reliable, leading to equipment failures, downtime and diminished profit.

"We wanted to give rehab crews an easy way to keep their equipment running well," says Sean Lipscomb, strategic account manager for Pipeline Renewal Technologies. "This logbook makes maintaining a record of preventative maintenance and equipment condition simple. Crews can ensure that all routine maintenance is performed regularly and track wear and tear over time."

"After experiencing high demand for our Inspection Crawler Maintenance Logbook, we realized that rehab crews could use a logbook for their cutters, too," says Jake Wells, director of Marketing for Envirosight. "This new logbook is specifically geared towards mainline sewer rehabilitation cutters, providing a concise record of maintenance." The logbook is suitable for all brands of rehab cutters.

This logbook is published as part of Pipeline Renewal Technologies' continuing efforts to create and share reference material that benefits professionals in the underground pipeline rehabilitation industry.

Source: Pipeline Renewal Technologies



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Hi-Line Utility Supply is proud to present the LifeGuard™ LG5A Safety system.

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Source: Hi-Line Utility Supply Co.

Indoor Area - 1940



TEREX® LOAD ALERT™ SYSTEM AVAILABLE ON SELECT HI-RANGER AERIAL DEVICES

The Terex® Load Alert™ system option available on select Hi-Ranger™ aerial devices will supplement utility crews' current safe work practices. When used in conjunction with an aerial device's material handling load chart, the Terex Load Alert system provides both visible and audible alarms to notify operators and the ground crew if a platform or jib capacity has been exceeded.



Terex developed the Load Alert system in response to market demand for new technology solutions as an operator aid for crews in the field. It is designed to monitor and analyze the truck's jib and basket capacity, the winch line load, the winch line's distance from the platform's pivot

point and boom positions.

Source: Terex Corporation

Area L - L316

TURRET REEL TRAILER CUSTOM-MADE FOR A MUNICIPAL POWER ENTITY

Felling recently completed a custom Turret Reel trailer for a Municipal Power entity in California. The FT-10 R Turret Reel Trailer is a valuable tool for any fleet: Municipalities, Electric Utilities, Communications, Oil & Gas, etc.



Felling Trailers offers many utility and telecom trailer solutions, including utility cable reels. With its 360° rotating turret assembly, there is virtually no right-of-way or easement that will prohibit the operation. No need to be blocking the road, pulling off into the ditch, weeds or having to jack knife the trailer to get it into the proper orientation for your operations. Simply pull to the side, disengage the lever actuated locking pin and effortlessly rotate the reel to the direction needed. The turret can lock into any position in 15° increments.

This particular Turret Reel Trailer is equipped with a 16" Bronze Tensioning Brake, Hydraulic Take-Up/Payout Assembly and an Hydraulic Power Pack.

Source: Felling Trailers, Inc.

Indoor Area - 4851

VOLVO DEBUTS SD45B SOIL COMPACTOR

The SD45B soil compactor from Volvo Construction Equipment is packed with technologically-advanced features. It adapts to the application and jobsite, helping the operator achieve the next level of performance.

The SD45B is designed for commercial and residential site development, utility installations, driveways and landscaping jobs. Providing up to 12° of oscillation and 41° of frame articulation in each direction, the SD45B offers the stability and versatility required to compact in confined areas.

To optimize performance, the optional Volvo strike-off blade and padfoot shell kit further help to match the exact application and material type.



The fully integrated traction system provides superior climbing capabilities, even on steep inclines or slippery surfaces. The system, combined with the NoSPIN® differential, limits wheel or drum spin, improving productivity and safety.

Source: Volvo Construction Equipment North America LLC

Area K - K335

ELLIOTT LAUNCHES REDESIGNED TRACTOR MOUNT CRANE

Elliott Equipment Company launched a major redesign of their 1881TM tractor-mounted boom truck model at CONEXPO-CON/AGG 2017 earlier this year.



The redesigned 1881TM boom truck features an 16.3 t lifting capacity and Elliott's proven 5-section 24.7 m telescopic boom with a compact stowed length and a 27.7 m tip height. The new 1881TM model includes integrated out-down main outriggers with full and mid-span settings. This allows for improved setup in a variety of terrain and jobsite conditions.

Along with new out-down main outriggers, the 1881TM model incorporates a number of significant new features, including: Elliott's Hydraulic Load Limiter (HLL) overload alert system with full and mid-span charts, wireless anti-two-block (A2B) system allows for simple maintenance, front bumper winch stow control

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to reduce teardown times, high visibility operator stations, electronic foot throttle controls, proprietary wear pad design for extremely smooth boom operation, and optional outrigger short-jacking system.

The 1881TM model boom truck is designed to serve a range of applications including home construction, truss delivery, pipeline service, and more. The boom can stow over the cab to provide space behind the crane for the connection of a trailer using a chassis with a 5th wheel or with the boom sitting over a flatbed.

Source: Elliott Equipment Company
Area L - L435

HATZ 3H50



The new 3H50 is the 3 cylinder member of the Hatz H50 Family. The 3H50 will be available in power ranges from 24 to 55 hp at just 1.5 l displacement, it will offer the power and torque of a much larger engine in compact and light package.

Both the 1.5 l 3H50 and 2.0 l 4H50 are available in Tier 4f, Export Only & EU Stage V versions making them an attractive choice for a wide range of mobile and stationary applications.

Source: Hatz Diesel of America Inc.
Indoor Area - 4833

NEW HILTI ROTARY HAMMER TE 3-C



The new Hilti SDS+ Rotary hammer TE 3-C delivers consistent and reliable performance for drilling small diameter ranges, as well as light-duty chiseling applications. Featuring an industry standard SDS+chuck and user-friendly select switch, this versatile hammer drill can tackle multiple tasks, including drilling and hammer drilling in concrete and masonry, corrective and light channel chiseling in concrete and masonry, as well as rotary-only drilling.

The powerful Hilti Rotary hammer TE 3-C delivers 3,000 rpm of performance, and its hammer-mode produces 5,160 blows/min with a 1.8 lbf ft (2.44 Nm) of impact energy. It has an optimum drilling range of up to 15.9 mm and a maximum diameter drilling range up to 28.6 mm. And, it weighs 3 kg, which helps minimize operator fatigue when working overhead.

Source: Hilti Inc.
Area N - N1013
Indoor Area - 1806

CLEANFIX® REVERSIBLE FANS AT ICUEE

CLEANFIX® North America will be showcasing its latest engine-cooling systems at the ICUEE.

CLEANFIX® reversible fans keep radiators clean and contribute to optimal cool-

ing while extending the lives of machines in high-dust environments.



Less downtime, significant fuel savings, and increased efficiency of the engine are just a few of the benefits of CLEANFIX® reversible fans.

Stop by booth #4729 and talk with the CLEANFIX® team of experts to learn more about the brand new X85 blades and the new electronic and hydraulically (Hytronic) controlled fan hub system.

Source: CLEANFIX® North America
Indoor Area - 4729

CASE EXPANDS D SERIES WITH CX145D SR MINIMUM-SWING EXCAVATOR



CASE Construction Equipment introduces the all-new CX145D SR minimum-swing radius excavator to its D Series lineup. Designed to provide ample digging and lifting power in a small footprint, the CX145D SR

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features a compact counterweight and modified boom placement. This results in a highly maneuverable and powerful excavator that is easy to transport and ideal for restricted jobsite conditions, such as road and bridge work, utilities, urban construction and landscaping applications.

With an operating weight of 14.5 t and a 102 hp Tier 4 final (T4f) engine, the CX145D SR offers bucket digging forces up to 21,400 lbf (95.2 kN) and lift capacities up to 9,684 kg. Options include a dozer blade configuration as well as the choice between either steel or rubber tracks depending on operating conditions and jobsite requirements.

Source: CASE Construction Equipment
Area K - K277

TORO LAUNCHES TDOS-1 WITH SMART-TOUCH® FOR DD2024 DIRECTIONAL DRILL

Available as an option on the DD2024 directional drill, TDOS-1 with SmartTouch® streamlines pipe handling by allowing the

operator to use the cam rocker switch to advance through the pipe handling process. Each push of the switch corresponds to a sequence of pipe handling functions. This makes the pipe handling process easy to learn, improving the operating experience for new operators.



Combined with mode selection (drill out or pull back), the SmartTouch feature also performs some pipe handling functions in tandem to help reduce overall cycle times for enhanced productivity.

Source: The Toro Company
Area K - K150

NEW NAME FOR ATTACHMENT THAT IS CHANGING THE GAME FOR CONTRACTORS

Introducing the SL 2 Subcompact Vacuum Lifting System from Vacuworx. This new name for the popular SS 2, which debuted at World of Concrete in February 2016, is a small change, but the company feels it is best for positioning the product as it continues to gain interest around the world and is being utilized with more diverse host machines.



The "ultimate skid steer attachment" has met with widespread interest and enthusiasm in various industries.

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SL 2 features all-aluminum construction. Weighing just 44.5 kg (without mounting plate), the vacuum lifting system has a lifting capacity up to 1.25 t. The patent pending design features quick-connect hydraulic hoses and a factory preset flow control valve to ensure optimal performance.

Source: Vacuworx



Area K - K185

METAL PLESS SIDEMAXX



The Metal Pless Sidemaxx with side-shift option is the ideal tool for clearing snow on sidewalk paths with obstacles such as lamp posts and hydro poles. The 152 cm

angle blade comes standard with a bottom trip edge and universal mount to be fitted to any type of snow clearing vehicle. The 46 cm side extension added to a 35 cm sideshift will allow the operator to efficiently clear snow in hard to reach areas.

All Metal Pless products benefit of a baked powder paint process to keep your equipment looking new year after year.

Source: Metal Pless



Indoor Area - 3863

BACKHOE LOADER PERSONAL SIMULATOR OPERATOR CHAIR



Simlog's Operator Chair with industrial

controls offers a superior simulation experience to train Backhoe Loader operators thanks to an authentic operator seat with consoles for the left and right hands, and an adjustable steering column. All are mounted on an industrial platform with casters, for easy portability.

The industrial steering wheel is mounted on a column that telescopes and easily pivots to numerous angles and it includes 3 industrial pedals.

If you already have a Simlog Operator Chair that you are using with some other Personal Simulator, then you may be able to re-configure that Operator Chair by purchasing additional elements.

Source: Simlog Inc.



Indoor Area - 4528

SMARTSNOWPUSHER.COM

SmartSnowPusher.com is a new concept that offers snow contractors a simple, yet robust snow pusher for their needs. This "Do It Yourself" snowplow is delivered di-







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rectly to you in a box. It takes approximately 3 hours to put together. No welds! Simply bolt-on the components piece by piece.



This revolutionary concept will reduce maintenance and increase lifespan. The Smart Snow Pusher is offered from 244 cm to 6 m wide, and 76 cm to 122 cm high.

Source: SmartSnowPusher.com

Indoor Area - 3863

GILBERT PRESENTS THE GRIZZLY MULTI-GRIP™ VIBRATORY PILE DRIVER AT ICUEE

The Grizzly MultiGrip™ is the most versatile side-grip pile driver allowing you to drive any type of piles. Since its launch

in 2014, this excavator-mounted vibro has established new standards with its exclusive patent-pending Quick-Change and 3PAS systems.



The complete product line – including the new MG-60 suitable for 20-30 t excavators – will be on display at ICUEE.

Source: Gilbert Products Inc.

Area N - N1061

DITCH WITCH MT9 MICROTRENCHER ATTACHMENT

Ditch Witch introduces the MT9 microtrencher attachment to improve

productivity and reduce the cost-per-meter on small fiber jobsites. Developed to work in tandem with the Ditch Witch line of mini skid steers, the industry-first system is the ideal solution for tight and confined areas.

The MT9 creates clean, shallow trenches up to 28 cm deep and 95 mm to 38 mm wide. The microtrencher can work with the FX65 vacuum excavator to further create



a clean trench in one pass by effectively removing spoils.

Source: Ditch Witch

Area K - K155/K270



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Flexxifinger QD Industries Inc.	Indoor Area - 3163
Galtech Canada	Indoor Area - 4558
Gilbert - Grizzly MultiGrip	Area N - N1061
Log To Finish Wood Products	Indoor Area - 2766
Metal Pless	Indoor Area - 3863
Novatec Braids Ltd	Indoor Area - 3766
OX Equipment	Area K - K285
Positron Inc.	Indoor Area - 4641
R&M Plastic Products Ltd.	Indoor Area - 3157
RS Poles	Indoor Area - 2252
SBB Emergency Towers	Indoor Area - 4639
Simlog Inc	Indoor Area - 4528
Skeer System	Indoor Area - 2934
SmartSnowPusher.com	Indoor Area - 3863
SWS Safety Warning Specialists	Indoor Area - 3126

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New EDGE® Extreme Duty High Reach Tree Clipper

Manitou Americas, Inc. adds the EDGE® Extreme Duty High Reach Tree Clipper to its lineup of tree shear attachments for compact loaders.

It is designed for use in the commercial or rental industries. The EDGE Extreme Duty High Reach Tree Clipper is a more rugged unit than the Heavy Duty model. It features extra-long upper and lower plates adding strength to the clipper head and 2 extra bars on the mount adding increased stabilization. An easy release feature on the clipper head eliminates limbs and trees from wedging between the blades. The self-cleaning side spacers also reduce daily maintenance of cleaning debris from the side of the blades. The new attachment cuts hardwoods up to 23 cm in diameter, even at ground level.

The EDGE Extreme Duty High Reach Tree Clipper features self-centering T-1 tempered steel blades and come with a wireless remote, hoses, couplers, a solenoid valve, and a valve guard.

Source: Manitou Group



Exceptional Working Heights, Safety for a Wide Range of Applications

The new push-around HB-P5.0 low-level scissor lift by Custom Equipment is light-weight and features a zero-turn radius for easy maneuverability around tight corners and through confined spaces. Maintenance technicians and contractors can use the HB-P5.0 for a variety of projects at working heights up to 5 m, including electrical, plumbing, drywall and HVAC.

The lift's platform is 56 cm wide and 94 cm long to give users ample working area and easy maneuverability through nearly any doorway. The HB-P5.0 holds as much as 250 kg, which allows operators to safely move their materials and tools to elevated worksites.

The HB-P5.0 weighs 395 kg and its wheels help distribute its weight and provide wheel loads as low as 1.2 kgf/m² (250 psi). This enables operators to maneuver the lift over fragile flooring, such as tile, laminate, raised floors and mezzanines, with minimal risk for damage. Users also can get onto poured concrete several days sooner with the HB-P5.0 lift than with

heavier competitive models.

In terms of safety, Custom Equipment designed its Hy-Brid HB-P5.0 lift with safety features that result in fewer workers' compensation claims and less impact on the bottom line. For example, the lift's entry height is only 70.6 cm, one of the lowest available, so users can easily access the platform. The HB-P5.0 also features an access gate that swings completely open to allow users to step up and into the platform.

Custom Equipment uses finite element analysis software to test its designs before building all of its lifts, including the HB-P5.0. This process allows the company to use a stronger, higher grade of steel so less material is required, and the results are lifts that are lighter than other manufacturer's machines. In addition, the program identifies stress points so they can be reinforced without adding unnecessary weight.

Source: Custom Equipment, Inc.



Atlas Copco XAS 88 Air Compressor Wins Red Dot Design Award

Atlas Copco has won a 2017 Red Dot Design Award for its 8-series portable air compressors, including the XAS 88 model available in Canada. The prestigious international awards honor outstanding product design.

The Atlas Copco compressors were recognized for elevating design standards for size, weight, efficiency and performance. The range includes a new version of the durable HardHat™ canopy, which resists corrosion and fading and first received a Red Dot Design Award in 2006.

The XAS 88 delivers 5.0 m³/min (175 cfm) of air to power a variety of pneumatic tools, such as breakers and chippers. Its 45 hp Kubota diesel engine meets T4i emission standards without requiring exhaust after-treatment components or filters, giving the operator maximum uptime between service intervals.

The 8-Series compressors are up to 15% smaller and consume up to 12% less fuel

than comparable models.

The XAS 88 comes with 110% spill containment and a Canadian Cold Weather package as standard equipment. Its small footprint also gives operators more space to move around the compressor when using pneumatic tools, and it makes storage in a garage or rental yard easy. The compressor weighs 650 kg – as much as 110 kg less than similar compressors – cutting fuel costs associated with towing.

Atlas Copco designed the XAS 88 for fast and simple maintenance. No special tools are required and components are easily accessible. The compressor features a centralized draining point that allows technicians to drain all fluids into one receptacle, saving time and hassle associated with multiple ports. In addition, air filters simply clip into place, making change-outs



quick and easy.

The Red Dot Design Awards evaluate the best products of the year based on submissions from manufacturers and designers around the world. This year, entries were received from 54 countries, with each individually assessed by an independent and international jury of experts. The selection criteria were based on many factors, including innovation, formal quality, functionality and ecological compatibility.

The official Red Dot Gala took place in Essen, Germany, on July 3.

Source: Atlas Copco

Neal Introduces Generation IV Sealcoating Pumps for Asphalt Trucks

Neal Manufacturing, a division of Blastcrete Equipment Company, has launched its new Generation IV pumps. The pumps offer improved durability as well as enhanced spraybars and require less frequent routine maintenance than their predecessor, resulting in greater uptime and productivity. Road pavement maintenance contractors also save money since they can retrofit their existing asphalt trucks with the new Neal pumps Gen IV rather than purchase a new truck.

Neal Manufacturing designed the Generation IV pumps with heavy-duty features, including robotically welded pump housings and industrial-grade hydraulic cylinders for extreme durability and longevity. These components offer enhanced reliability and last 50% longer than parts on the previous model, which means less downtime associated with rebuilds.

The Generation IV pump also comes with Neal's new filtration system, which is 60% more compact than the previous system, more efficient and easier to



maintain. The system's compact filters weigh 98% less than the previous filters when full, eliminating the need for a crane during filter changes. Neal also designed the filtration system to give contractors fast and easy access to the filters, making routine cleanings more manageable.

Neal Manufacturing installs the system with dual spraybars rather than one. Each spraybar is synchronized with a 378 l/min Generation IV pump. The pumps and spraybars work together to provide optimal efficiency and output on road pavement

maintenance projects. Gen IV pumps also offer enough volume for larger orifice tips to all but eliminate tip plugging with aggregates.

To ensure its customers know-how to properly operate and maintain the machines, free training seminars are offered at Neal Manufacturing's Anniston, Alabama, location. All machines are tested under load before being shipped to customers.

Source: Neal Manufacturing

60 Years of BOMAG: The Success Story Continues

BOMAG GmbH, the specialist in road construction and asphalt and soil compaction, is celebrating its 60th anniversary this year. The company's focus on innovation, quality, user-friendly products and the highest level of service has transformed a small business into a successful global manufacturer of construction machinery. BOMAG – founded in the town center of Boppard/Rhine in Germany in October 1957 – now employs over 2,000 people and generates annual revenue of about €700 million (\$1 billion). The company has production plants in Germany, Italy, Brazil, the U.S. and China.

"We are proud of what BOMAG has achieved up to now and the many innovations which have been accepted by customers all over the world, which have made BOMAG the global market leader in our core business of asphalt and soil compaction," says Jörg Unger, president – FAYAT Road Equipment Division. "Above all, this has been made possible by the commitment of our highly qualified employees, who give us their best every day and are never simply satisfied with

what has already been achieved."

One of the most important pillars of this 60-year success story is customer orienta-

BOMAG always maintains its focus on the customers' needs. This close market proximity together with the highest level of



tion and placing the customer first. Since its founding, BOMAG has placed great importance on developing close partnerships on an equal footing.

"No matter where we are in the world,

local service for the machines is one of our greatest strengths, and this will not change in the future," adds Mr. Unger.

The results of these developmental partnerships with customers are products that meet not only market requirements but also especially those of the user. Machines with a long service life and low servicing requirements and control systems that are easy to operate make construction and compaction work more productive. The high compaction power plus BOMAG's world leading measurement technology save contractors significant fuel costs and time.

To lead the way in road construction and soil compaction in the coming decades, BOMAG continues to invest strongly in research, development, education and training and launches an average of 15 new products onto the market each year.

In September of this year, BOMAG's popular "Innovation Days" customer event will be held at the new Customer and Training Center in Germany. The growing headquarters in Boppard have been expanded to include a modern demo site with an outdoor area for machine demonstrations and presentations. This is connected to a training center with training rooms and workshops.

Source: BOMAG Americas, Inc.

JCB Launches New 510-42 Loadall Telehandler

JCB recently launched the 510-42 Loadall, a telescopic handler with a 4,535 kg maximum lift capacity and 12.8 m lift height that requires no outriggers. The 510-42 is available with a JCB EcoMAX 74-hp engine requiring no diesel particulate filter (DPF) and no diesel engine fluid (DEF) or a 109-hp engine requiring no DPF.

Developed in direct response to a customer demand, the 510-42 has already earned more than 25 orders from customers in North America.

The 510-42 Loadall features 500-hour extended service intervals and simplified maintenance procedures, with all daily checks performed at ground level. Maintenance planning is enhanced by JCB's available LiveLink telematics system, which provides machine status information to remote devices.

The 510-42 Loadall adds to the growing range of JCB telehandlers available in tool carrier, lift-and-place, and compact configurations, and can be ordered at more than 325 JCB dealer locations throughout North America.

Source: JCB North America



Area K - K175

BSP and Colets Create New Piling Rig

A new purpose-built piling rig to drive piles for smaller projects with limited access, working space or weight has been designed and built by BSP International Foundations in collaboration with Colets Piling, the Sudbury, Suffolk-based contractor and piling equipment rental specialist.

Following discussions with its rental customers Colets Piling acknowledged there was a need for a piling rig to top drive steel or concrete foundation piles for small to medium-sized housing projects.

The main criteria for the new rig included ease of transportation without the need of movement orders, secondly a reduction in the costs of piling mats for the rig to operate on as this aspect can significantly increase the cost of a housing development and thirdly, increased productivity with quicker set-up, faster drive times and reliability.

"As BSP is one of the world's leading manufacturers with over 110 years' experience in designing and building foundation

equipment we decided to approach them to collaborate with us in the manufacture and development of an excavator-mounted piling rig, built to our recommendations and specifications," says John Walter, Colet's sales manager. "This collaboration has resulted in the JX model, the first purpose-built piling rig of its type in the UK which was built and ready for work in 6 months."

"BSP is delighted to have been approached by Colets Piling to participate in the design and build of the new JX rig," says Ray Ransome, BSP's senior sales manager. "During the building process we encountered a few technical problems but these were resolved quickly with minimum production delay. Now that the machine is working in the piling field, we are extremely confident it will prove to be a valuable addition to the Colets Piling fleet and ultimately provide many years of productive service," he adds.

To provide the base machine Colets



Piling chose JCB to supply a number of JS excavator base units. These machines have already been introduced into the company's contract and rental fleet in rotary drilling versions. A standard JS200 excavator with a 20 t operating weight and equipped with JCB's latest Tier 4 final emission compliant diesel engine developing



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129 kW, was supplied as the base machine but with a number of subtle changes to optimize the stability and performance of the completed JX unit.

As part of its involvement in the project BSP offered 2 hammer options. The JX20-6 fitted with a 1.5 t dropweight and a 10 m long mast or a JX25-8 fitted with a 2 t dropweight hammer and a 13 m long mast. Research showed more interest in a machine that could cope with 8 m long piles, so the JX25-8 was the preferred option.

A key technical point of the project is the overall mass of the JX25-8 rig which exerts a ground pressure of only 0.57 kg/cm², further reduced once the hammer is in place and sitting on the pile – as the pile takes the weight of the hammer. The rig then only guides the pile into the ground while the hammer is driving. The JX square track configuration of the base provides maximum stability during driving.

One of the first projects involving the JS Rig was the driving of concrete piles on

the 3rd phase of a new housing development being built by Bovis Homes in Congleton, Cheshire. The new rig was hired to Trittech Piling & Foundations by Colets Piling to drive 200 mm square concrete piles between 6 and 7 m in depth on the site.

All the piles were driven to a set with the DX hammer performing a 300 mm long stroke. Trittech operator Karl Amos was able to achieve a production rate of 150 linear meters driven per day.

Source: BSP International Foundations Ltd



MHWirth's PBA 615 Advances India's Ambitious Infrastructure Projects

In 2016, MHWirth launched their pile top drill rig PBA 615 for drilling diameters up to 2 m. One of these machines is currently operating in Mumbai, India, for the Mumbai Port extension project.

The PBA 615 is applied for the extension of one of the oldest ports in India, the Mumbai Port Trust, located at the east coast of Mumbai main land. To prepare for further growth, the port will be extended by a 5th oil terminal at Jawhar Deep. The work is executed by ITD Cementation India.

For construction of the 2,500 m long approach trestle, more than 600 piles with 1.2 m in diameter are currently drilled at a drilling depth of up to 45 m. Geology is abrasive Mumbai basalt with rock strengths varying between 50 and 80 MPa.

"With a performance-optimized machine design our reliable PBA 615 achieves more than 50% higher penetration rates than conventional solutions in the market," explains Shakti Chand Verma, director MHWirth India.

"MHWirth's technologically advanced



solution shows a very good drilling performance during the project," adds Jayanta Basu, executive vice president and COO of ITD Cementation India. "Additionally, we benefit from their local presence in India with highly-skilled service personnel."

MHWirth's PBA 615 combines a small footprint with light weight and increased performance. The compact footprint is particularly beneficial in tight jobsites and with a flexible set-up it allows to drill closer to existing walls than any other machine. Additionally, the new PBA 615 and the corresponding power unit HP IVa comprise

various improvements for increased user friendliness and HSE performance, such as possible operation with biodegradable oil or spillage protection due to an integrated tray.

MHWirth's portfolio for foundation drilling covers the diameter range from 0.6 to 7.0 m and provides the most efficient solution for foundations in mixed and hard rock. More than 300 pile top drill rigs by MHWirth have proven to be outstandingly reliable and efficient in numerous projects around the world.

Source: MHWirth

Deutsche Post DHL Group and Ford Unveil the Early Build StreetScooter WORK XL Electric Delivery Van

On August 16, 2017, Deutsche Post DHL Group and Ford presented the first of their jointly produced electric delivery vans (e-van) in Cologne, Germany. The vehicle, called the StreetScooter WORK XL, is based on a Ford Transit chassis fitted with a battery-electric drivetrain and a body designed and built to Deutsche Post DHL Group specifications.

In 2017, around 150 early build e-vans will be manufactured in the StreetScooter plant in Aachen. Deutsche Post DHL Group will use the e-vans to support its urban parcel delivery service in Germany. Deutsche Post DHL Group, StreetScooter and Ford plan to build 2,500 e-vans by the end of 2018. Like StreetScooter's existing electric models - the WORK and WORK L - the WORK XL could be also sold to third-party customers.

Each WORK XL could save around 5 t of CO₂ and 1,900 l of diesel fuel each year. With 2,500 vehicles in service as planned,

this could result in a total saving of 12,500 t of CO₂ and 4.75 million l of fuel every year.

"The new StreetScooter WORK XL expands our e-fleet in the commercial vehicle segment. It is the perfect vehicle for parcel deliveries in major cities and large urban areas, and will enable us to cope with the rising parcel volumes in an even more environmentally friendly and quieter manner. With this commitment, we are also underlining our claim of being the market leader in green logistics," said Jürgen Gerdes, of Deutsche Post DHL Group.

"We're really proud of this ambitious project, and of the strong partnership we've developed with Deutsche Post DHL Group and StreetScooter," said Steven



From l. to r.: Jürgen Gerdes, member of the Board of Management Post - eCommerce - Parcel, at Deutsche Post DHL Group and Steven Armstrong, group vice president and president, Europe, Middle East & Africa, Ford Motor Company.

Armstrong, group vice president and president, Europe, Middle East & Africa, Ford Motor Company. "This joint project will be Europe's largest manufacturer of emission-free, medium-sized e-vans, and it doesn't come a moment too soon. Buses,

Marmon-Herrington® Launches Variable Power Divider (VPD)

Marmon-Herrington announces the release of a new variable power divider (VPD) that eliminates the need for an auxiliary diesel engine in applications where a second power source has traditionally been required. By dividing the truck's diesel engine into propulsion power and auxiliary power, the Marmon-Herrington VPD reduces operating costs, maintenance, and greenhouse gas (GHG) emissions for fleet managers while providing meaningful driver-friendly benefits to equipment operators. The technology is produced in Louisville, Kentucky at Marmon-Herrington's Magisterial Drive location and is part of the Marmon-Herrington HydroMech® family of products for class 3 through 8 trucks.

"A hydrostatic variator is fundamental to this patented technology," says Nathan Webster, Marmon-Herrington Engineering manager. "Because the VPD allows the engine and auxiliary device to run independently of each other, customers benefit immensely from the elimination of the second engine. The VPD is capable of run-

ning the auxiliary device up to and above full engine RPM while also allowing the driver to vary the vehicle speed as normal. This saves time, money, and complexity."

"The HydroMechVPD™ is specifically designed as a single-engine solution to save fleets money and simplify operation," says Rick Blair, president of Marmon-Herrington OEM Division. "We expect customers to see additional benefits through reduced weight and improved packaging. The entire HydroMech brand is built around technology that delivers the quality and reliability Marmon-Herrington is known for, while creating exceptional end-user value," Mr. Blair concluded.

Marmon-Herrington is currently focusing on key opportunities within aircraft rescue & firefighting (ARFF), street sweeping, agriculture, defense, and other markets that can benefit from this innovative



technology.

Source: Marmon-Herrington

Area L - L384

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cars, and of course, delivery vans play vital roles in our daily lives, but we have to find a way to make them cleaner. This project is a great step along this path.”

The WORK XL will have a load volume of 20 m³ and provide stowage space for over 200 parcels. The e-van is fitted with a modular battery system delivering 30 to 90 kWh of power, giving it a range of between 80 km and 200 km.

The WORK XL not only is different in size and range from its “sister vans” – the WORK (4 m³ load volume) and the WORK L (8 m³ load volume) – but differs also in terms of the body construction. The WORK XL’s load area is fitted with shelves and is accessible from the driver’s cab. The vehicle can be loaded via the tailgate and a curbside sliding door. With a charging capacity of up to 22 kW, the average charging time is 3 hours.

In addition to the new WORK XL model, over 3,000 StreetScooter WORK



and WORK L electric vehicles, plus about 10,500 pedal-electric bicycles, are currently in service with Deutsche Post DHL Group,

making the group the largest e-fleet operator in Germany.

Source: Deutsche Post DHL Group

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Appointments

BOMAG Americas, Inc. is pleased to announce and welcome **Tim Collie** as National Account manager, Rental. He will be responsible for the overall sales and customer support of the national rental partners in order to ensure they maximize their return on investment with BOMAG products and services.

Mr. Collie brings over 20 years of rental industry experience to BOMAG. Before accepting the position with BOMAG, he served as District Development manager for Manitou and previously held positions with Stanley, Atlas Copco, Stone Construction and RSC Equipment Rental.

"Due to the continued growth and increasing demands of the rental industry, BOMAG has identified the need to strengthen the support for our valued customers. Tim's extensive background in working and supporting rental channels is a perfect fit for what BOMAG needs to help its customers expand their business with us," stated Shawn Sweet, vice president of Sales & Marketing for BOMAG. "Tim understands the needs of national and independent rental companies, and will be instrumental in helping BOMAG meet them."

"I believe in BOMAG's products and in the company's dedication to its customers within the rental industry," said Tim Collie. "They have worked diligently to identify the challenges that rental companies face and are committed to product innovation, improving its support services and ultimately providing solutions to fulfill customer needs. I look forward to continuing those initiatives."

Source: BOMAG Americas, Inc.



DEUTZ Corporation has chosen **Joey Mobbs** to be the new sales manager for the company's DEUTZ Xchange remanufactured engine division. He will report to Grant MacNeill, director of service sales for DEUTZ.

"We're excited to see Joey move into this new role," said Mr. MacNeill. "The relationships he's developed with our dealers, distributors, OEMs and fleet customers have uniquely prepared him to take on this challenge."

Mr. Mobbs has been with DEUTZ since 2011. His first position was in the warranty/service department where he assisted with claims processing and completion. From there, he moved into a position as a corporate trainer, providing classroom, hands-on training to national rental companies, fleet organizations and OEMs. Since 2014, Joey Mobbs has been an OEM account manager for all national rental companies and fleet organizations in the U.S., as well as those airlines using DEUTZ-powered ground support equipment (GSE).



DEUTZ Xchange engines are totally remanufactured, making them a sound alternative to the rebuilt engines found in today's marketplace. Each Xchange engine goes through a 300-point reconditioning process according to its original blueprint specifications. Original engines are disassembled and all parts are tested and cleaned. Then, they're reassembled, brought up to the latest stage of technical development and inspected to ensure they meet precise specifications.

Source: DEUTZ Corporation



Indoor Area - 5134

Motorenfabrik Hatz of Ruhstorf, Germany has officially named **Michael Hartoonian** as president and CEO of Hatz Diesel of America. He will oversee the international company's North American Operations including Canada. Mr Hartoonian has 24 years of engine industry experience in both sales and management.

Hatz Diesel is a worldwide leader in the manufacture of high quality diesel engines from 3 to 78 HP that are used in industrial, construction, military, marine, railroad, turf care, power generation, material handling, agricultural, mining, transportation, forestry and rental equipment applications.

Source: Hatz Diesel of America



Indoor Area - 4833



Scott Creighton is joining **Olofsfors Inc.** as the new regional sales representative for Eastern North America. With more than 10 years involvement in heavy equipment sales, he brings experience, knowledge and eagerness to this new role.

"The employment of Scott Creighton is the first step in a long range of activities in order to expand our wear steel business in North America," said Erik Sollén, Olofsfors AB director of marketing and sales wear steel based in Sweden.

Mr. Creighton is joining Olofsfors Inc. – a division of Olofsfors AB – to work alongside Olle Melin, who has served Canada and the U.S. for almost 2 decades. Mr. Melin will transition to the role of Western North American sales representative.

Source: Olofsfors Inc.

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CanWest Hort Expo 2017
September 27 - 28, 2017
Abbotsford, BC Canada

International Construction & Utility Equipment Exposition (ICUEE)
October 3 - 5, 2017
Louisville, KY USA



AWWA's Annual Conference & Exposition
October 4 - 6, 2017
Las Vegas, NV USA

inter airport Europe 2017
October 10 - 13, 2017
Munich, Germany

GIE+EXPO and Hardscape North America
October 19 - 20, 2017
Louisville, KY USA

Waste & Recycling Expo Canada / Municipal Equipment Expo Canada
October 25 - 26, 2017
Niagara Falls, ON Canada

The Big 5 Dubai - International Building & Construction Show
November 26 - 29, 2017
Dubai, United Arab Emirates

PEFTEC 2017
November 29 - 30, 2017
Antwerp, Belgium

Infra 2017
December 4 - 6, 2017
Montreal, QC Canada

Power-Gen International
December 5 - 7, 2017
Las Vegas, NV USA

Landscape Ontario's Congress '18
January 9 - 11, 2018
Toronto, ON Canada



InfraTech
January 10 - 12, 2018
Essen, Germany

PDAC 2018 International Convention
March 4 - 7, 2018
Toronto, ON Canada

World of Asphalt 2018
March 6 - 8, 2018
Houston, TX USA



The Work Truck Show 2018
March 6 - 9, 2018
Indianapolis, IN USA

BAUMA CONEXPO AFRICA
March 13 - 16, 2018
Johannesburg, South Africa

INTERMAT Paris
April 23 - 28, 2018
Paris, France



Expo Grands Travaux
April 27 - 28, 2018
Montreal, QC Canada



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May 14 - 18, 2018
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June 6 - 7, 2018
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