# EQUIPMENT JOURNAL

**ISSUE** 

FOCUS: ROADBUILDING/MINING



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on page A13

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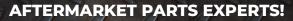




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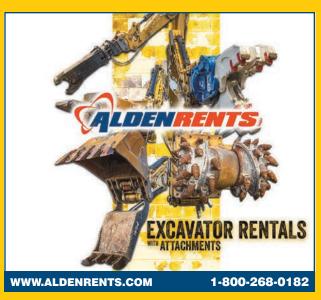


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Bobcat invests in North American plant





Rototilt launches powerful tiltrotator





McCloskey to unveil new C2C cone crusher



# EQUIPMENT JOURNAL

**NATIONAL HEAVY EQUIPMENT NEWS, DELIVERED, SINCE 1966** 



May 30, 2022

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# Caterpillar Introduces new LWLs

The heavy equipment juggernaut launches three compact wheel loaders, the 906, 907 and 908, replacing M-Series iterations introduced in 2015.



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### **ADVERTISER INDEX** MAY 30/2022 Astec ...... B3 Bobcat Dealers A16 Converterman......B5 Cooper Equipment ...... A1 Creighton Rock Drill Limited......A1,A20 Darvon Sales ...... B7 Don Cordingley Gradall ...... A15 Dynapac ...... B8 Equipment Sales & Service Limited.......A1 Gear Equipment ...... A1 Hub Equipment ......B14,B16 JR Brisson ...... A5 JT Equipment ...... A4 Liebherr .......B4 Marcel Equipment Limited ...... A1,A6 McDowell B Equipment Ltd......A1,A13 N. Johnson Equipment...... A8 Pine Ridge Lisco Edwards...... A17 Quinton Steel (Wellington) Ltd. ...... B13 Rokbak ...... B15 The Gear Centre...... B6 The St. George Co...... A17 Tim McDowell......B11 Toromont CAT ...... B1 Word Rock Drills ...... B11 **AUCTIONS** Bob Severn Auctioneers ...... B6

### **LETTER FROM THE EDITOR**

### Ontario's politicians are paving the road to the election

tinue to fervently campaign their platforms, making propositions of prospective bling to convince voters that their vision for the future of the province is superlative premier, if you will.

Half of this issue's B-section shines a spotlight on way 413." news within the roadbuildappropriate to look at how Ontario's political parties intend to approach issues involving transportation infrastructure throughout the province.

The PCs are adamantly pushing the construction of new highways and roads. In their budget, released at the end of April, the party states that "The government has

With the provincial elec- a plan to get shovels in the uncleared roads, especially tion quickly drawing near, ground for more highways, in winter." Ontario's politicians con- transit and key infrastructure to fight gridlock, boost the economy and create jobs."

This sentiment is mirrored policy developments and in Doug Ford's campaign changes, ultimately scram- platform, with his website stating that "Only Doug Ford and the Ontario PCs have a plan to get it done by saying YES to building highways and infrastructure like High-

Conversely, the NDPs ing sector. So, I thought it plan on doing away with Highway 413 and, instead, focussing their attention more on facilitating propupkeep of Ontario's existing transportation infrastructure. travellers."

According to the NDP platform, Andrea Horwath discerns that "People in rural and Northern Ontario have long had to deal with unsafe, unmaintained and

Moreover, the NDPs look to designate highways 11 and 17 as Class 1 roadways, which would require them to be cleared of snow within eight hours of snowfall.

Similarly, the Liberals also wish to change the classification of highways 11 and 17 to Class 1 roadways.

Also, like the NDP, they believe that the maintenance and upkeep of current transportation infrastructure should be priority, stating on their website that Steven wishes to "Ensure the er maintenance, repair and highest level of winter maintenance standards to protect

> All of Ontario's major parties seem to agree that the province's transportation infrastructure needs more attention.

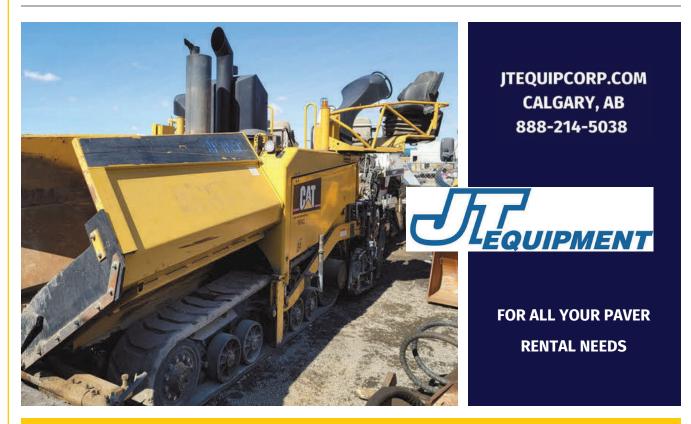
Whatever the outcome of likely in for a busy future.



Max Carrington // Editor editor@equipmentjournal.com

this election, it seems that the demand for operators and roadworkers will be exorbitant.

Whether their boots are being blackened by the asphalt of the potential Highway 413 project or their faces are being warmed by the vents of a plowing truck, Ontario's roadworkers are



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# EQ0022105 | Vars



**CASE 570M BACKHOE 2003** 

Bucket 93" 4 489 hrs 29 000\$ #EQ0022076 | Vars



**CASE 721F WHEEL LOADER 2016** 

Quick & Godet 3.5v3 # EQ0022721 | Vars



**CASE 850K DOZER 2006** 

Godet 5v3 & Quick Hyd # EQ0022383 | Vars **5 093** hrs



**CASE 580SNWT BACKHOE 2018** 

Bucket 93" & 24" # EQ0026725 | Stittsville

4 348 hrs



CASE 2050M STR PT WT/LGP 2019

Push Blade (semi U), Rear winch # EQ0025663 | Varennes



**CASE 621G WHEEL LOADER 2017** 

Hyd Quick att, Bucket 2.5YD, 4 speed

1 915 hrs





**CASE 721G WHEEL LOADER 2018** 

Hyd Quick att, Snow tires, 5 speed # EQ0023886 | Varennes



**CASE 621F WHEEL LOADER 2016** 

Hyd Quick att, Snow tires, 4 speed #EQ0023852 | Varennes



**CASE 721F WHEEL LOADER 2016** 

Hyd Quick att, Snow tires, 5 speed # EQ0023865 | Laval

2 005 hrs



**CASE 821F WHEEL LOADER 2016** 

Hyd Quick att, Snow tires, 5 speed # EQ0023870 | Laval

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Straight Tractor.



**CAT D8T LGP (2014) - 12,165 Hours** 38" Pads, CAT SU Blade, Choice of Ripper or Winch, Good U/C, Nice Tractor.



**CAT 745C (2016) - 7,025 Hours** 29.5R25 Tires, Payload Monitoring, Rear Camera, All Needed Repairs Completed.



**CAT 730C (2014) - 10,365 Hours** 750/65R25 Wide Tires, Auto Greaser, Tailgate Available, Inspected, Serviced, All Needed Repairs Completed.



**VOLVO A30F (2012) - 9,250 Hours** 23.5R25 Tires, Tail-gate, Straight Truck.



750/65R25 Wide Tires, Rear Camera, Tailgate is available, Inspected, Serviced, All Needed Repairs Completed.



VOLVO A30G (2017) - 7,298 Hours 23.5R25 Tires, Tailgate, Inspected, Serviced, All Needed Repairs Completed.



**CAT 980M (2016) - 6,490 Hours**High Lift, Dealer Maintained, GP Bucket, Steering Wheel, CAT Payload Monitoring, Auto-Dig Function, CAT Auto Grease.



**CAT 982M (2016) - 5,790 Hours**Aggregate Arrangement, 875/65R29 Tires, NEW 9
CYD Spade Nose Bucket, Auto Greaser.



(2) KOMATSU WA500-8 (2016) 8500 & 9600 Hours, 8 CYD Bucket, 29.5R25 Tires, Bucket Scale All needed servicing & Repairs being Completed.



**CAT 980M (2015) - 8,410 Hours**Aggregate Handler Spec, Spade or GP Bucket,
29.5R25 L-5 Tires, All Servicing & Repairs being
Completed.



**CAT 988H (2006) - 11,490 Hours**Machine has Been Inspected & Serviced. All Needed Repairs are Being Completed.
Choice of Buckets, Michelin Tires.

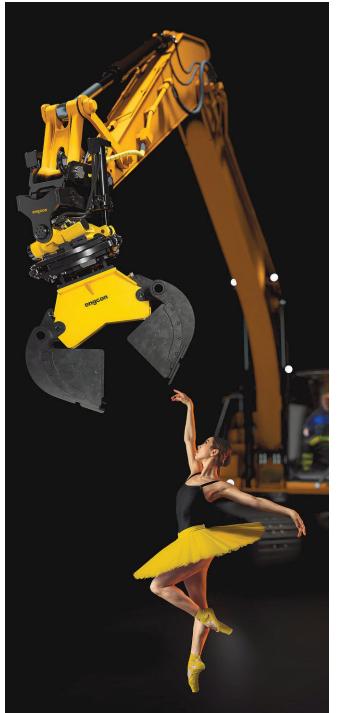


**CAT 988G (2004) - 17,055 Hours**Choice of Buckets, 2,000 Hrs on Rebuilt Engine, Michelin 35/65R33 Tires, Very Straight Loader, All Servicing & Repairs to be Completed.



JOHN DEERE 872G (2013) - 5,840 Hours 6x6, Snow Wing, 17.5R25 Snow – Ice Tires, Front Lift Group, Frt & Rear Fenders, Work Ready.





### Engcon announces new generation of energy-conscious tiltrotators

third generation of products. The new product line will feature a new tiltrotator system for excavators that has been engineered with sustainabil- mands for electrification, ity, integration and compatibility with smart technology and the reduction of energy consumption as top prior-

The third generation tiltrotator system will be presented for the first time at the Norwegian trade fair, Vei og Anlegg, from May 11-13.

The technology is based on a newly developed type of valve, in combination with smart software, that collaborates with the excavator's load-sensing hydraulic sys-

Engcon has announced that tem. This optimizes both the in 2022 it will be launching its tiltrotator's functions and the excavator's movements, leading to smoother digging and enhanced precision.

> "To meet increased dedigitalization, security and sustainability, we have developed a solution adapted for the future of digging. Our new tiltrotator system shows that Engcon is at the forefront of innovative solutions that drive the development forward to reduce dependence on fossil fuels and thus the climate impact of excavators," says Stig Engström, founder and owner of Engcon and the leader of the company's product development.

Through a mobile appli-

tiltrotator system also enables a higher degree of individual customization in the form of connected remote diagnostics and mobile support.

In addition to the energy-efficient technology, the new EC-Oil automatic quick coupler system can easily and smoothly connect the new tiltrotators and hydraulic the operator having to leave comments.

today's modern excavator systems, Engcon also integrated a newly developed tilt and for 14-19 tonne excavators rotation sensor that comes and the EC314 model for 9-14 standard in this third generation product. According to the pany then plans to expand this company, the sensors contain lineup on an ongoing basis.

cation, the third generation one of the market's first "absolute" sensors and feature a "plug & play" solution for both integrated and third-party machine control systems.

"The third generation will be our premium offering where the excavator operator gets the very latest technology as standard, while at the same time they get an energy-optimized excavator that becomes even gears automatically, without smoother to drive," Engström

Production of Engcon's For full compatibility with third-generation products is said to begin in the latter part of 2022, with the EC319 model tonne excavators. The com-







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**CAT 330** - Next Gen, q/c, various buckets



CAT M318D - Wheeled Excavator-VA Boom, aux. hyd., multple attachments available.



CAT D5K LGP - grade control, A/C, 6 way



attachments available.



KUBOTA SVL65 - Bucket & forks available. SVL75 also available.



LINK-BELT 145 X4 - Aux. hyd, Q/C, blade, approx. 1,500 hrs, unit 1945



2018 KUBOTA KX080 - one owner. cab, A/C, blade, new rubber pads, approx. 2,400 hrs.-unit 1825.



**BUCKETS** - brand new and used for most classes. Hammers also available.





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# Caterpillar introduces three new compact wheel loader models

Cat has launched three Improved operator new compact wheel loader models, the 906, 907 and in 2015.

station, leveraging exclusive Cat technologies to improve operator experience and model comfort on a smallnew Cat C2.8 engine, the upand drive train performance. The hydraulics and structures have gone through an prove operating ergonomics overhaul, making these new of the new loaders. A multimodels an optimal fit for function joystick controls many applications.

### experience

The new sealed and 908, replacing the M-Series pressurized cab improves iterations that debuted back the operator experience, while keeping previous de-The new models boast sign functional aspects like a reengineered operator's raised floor pedals and two doors to make cab cleaning easier. Optimum visibility is achieved with larger stanprovide larger wheel loader dard side mirrors, optional parabolic lens electric and er platform. Featuring the heated mirrors, and front and new in-cab-programmable rear camera options. New graded drive and powertrain single-piece front and rear rotary sensors mounted to deliver faster roading speeds windshields offer 60% better the loader arms better protect wiper coverage.

Seat mounted controls imtravel direction and speed,

proportional auxiliary flow, differential lock, and constant hydraulic flow without operators removing their hand from the joystick, elevating operating safety. Like larger Cat wheel loaders, companies will be able to choose from a range of seats, including a new premium heated and ventilated seat.

A first for this class size, kickouts with high-definition operators from unwanted shock and vibration due to buckets striking the ground and/or hitting dump stops at max height. Proper kickout operation also saves up to

setting upper, lower and atthe touch of a button. Cylinadded protection.

design is the Next Generation control monitor, which offers a range of real-time machine operating information. It allows the operator to configure hydrostatic transmission response, auto engine idle shutdown and a utility powertrain mode that more intuitive means of conwith hydromechanical attachments.

### Upgraded powertrain

as the previous engine with control monitor.

20% of bucket cutting edge 13% more torque, resulting **Enhanced hydraulics** life. Rather than leaving the in roading performance and cab for setting, the operator tractive effort improvements. remains inside the cab while The Cat C2.8 meets EU Stage V and U.S. EPA Tier 4 Final tachment kickout positions at emission standards with alternative emissions packages der snubbing is also enabled available. Its shift-on-the-go to provide the operator with transmission offers increased roading speeds of 40 km/h (25 mph), and larger fuel tank The heart of the new cab capacities of 30% for the 906 and 12% for the 907 and 908 deliver extended work cycles.

When working in dusty environments, the new reversing-fan option assists in keeping cooling cores clean for more efficient temperature control. Through an provides operators with a in-cab soft-touch button, the system can be turned off, trolling ground and engine set to operate in an autospeed, ideal when working matic mode or momentarily activated by the operator. Automatic mode uses the factory-setting to reverse direction for 10 seconds every Specifically designed for 10 minutes. Frequency and Cat products, the new Cat duration of automatic revers-C2.8 engine delivers the same ing can be changed easily 55.7-kW(74-hp) gross power by the operator via the new

2009 Komatsu D155AX-6 Dozer

144" Sigma dual tilt blade. 24" pads.

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### and structures

To meet demand for increased multifunctionality with lift and tilt while powering hydromechanical tools, these Next Generation wheel loaders feature a new standard pressure compensated valve, allowing operators to simultaneously control implements and operate hydromechanical attachments seamlessly. Increased working auxiliary pressures make work easier and improve steering to reduce operator fatigue.

Modifications to the optional skid steer coupler improve visibility through the coupler when setting fork tines. In conjunction, realignment of the compact wheel loader fork carriage improves forward visibility. Bucket capacities have been increased across the range adding to the already impressive operating capacity legacy of the Cat machines.

New for this class size, an optional Cat 908 high-lift configuration is available, perfect for customers operating in agricultural and industrial and waste markets. When combined with the reversing fan option, the high-lift configuration offers farmers increased operating efficiency and reliability. Available solid tires and the high lift configuration make the new 908 loader ideal for industrial and waste applications.

Efficient, high-illumination LED lights options are now available for both working/roading and under-hood-service lights to better illuminate work areas in low-light conditions. Task-focused LED underhood lighting simplifies servicing in poor ambient light. A unique resistor bank built into the body of Cat LED roading lights keep the lamp assembly warm enough to melt snow and ice, improving efficiency over conventional LED roading lights when operating in colder climates.



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## York1 continues rapid expansion with acquisition of United Environmental Holdings

Environmental and infrastructure service company, York1, has announced that it has acquired United Environmental Holdings Inc. (United), a solid waste serin Toronto, Ontario.

York1 claims that this acquisition will strengthen its service portfolio and support its aggressive growth strategy.

The acquisition comes less than a month after

conglomerate consisting of annually through its three Budget Environmental Dis- facilities located in South of York1 because they share posal Inc., Regional Disposal Etobicoke, Scarborough and Services Inc. and Budget Iron Whitby. and Metal Inc.

vice provider headquartered industrial, commercial and institutional waste sectors, operating three waste processing facilities and a waste roll off collection fleet in both the Toronto and Durham re-

With its main focus being York1 made its acquisition landfill diversion, United of the Budget Group, a waste manages approximatecollection and demolition ly 250,000 tonnes of waste

"The addition of United's United specializes in the strategically positioned waste processing facilities increases York1's network of waste and recycling processing facilities in Ontario to ten, this geographic coverage will enable us to internalize a significant amount of our waste collection volume and position us to continue to deliver bestin-class customer service at competitive rates. York1's mind performance will be supported with the addition of United's experienced team. This acquisition, along with our organic growth strategy, positions York1 to take advantage of many operational synergies, and we are looking forward to welcoming York1 team," said Brian Brun- services. ■ etti, president of York1.

"We are excited to be part our entrepreneurial spirit, and they have the platform to take our business to the next level. They understand the importance of strong customer relationships and will continue to deliver the same high level of service to our customers. We are confident that York1 will continue to enhance and grow what we have built over the last 13 years," stated Jon Lewis, president of United.

According to York1, this brand promise of peace of new partnership with United will continue to enhance its ability to offer customers a fully integrated service portfolio consisting of waste management, metal recycling, demolition, excavation, shoring and foundations, hydrovac excavation, underground services, directional United's employees to the drilling and construction





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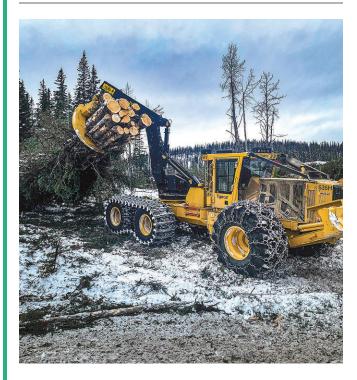
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### Tigercat enhances 635H skidder with swing boom system

635H skidder have been the seat at any rearward-fasystem—initially introduced on the 635G series skidder.

According to Tigercat, the additional working envelope and ability to position the grapple well outside of the working track of the machine increases productivity in applications where skidder travel is restricted or limited by terrain characteristics.

Also, the integration of Tigercat's Turnaround 220° seat provides an important advantage advantage applications. The ability to machine from any position payload.

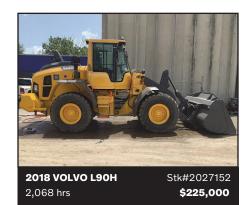
The capabilities of the with full drive controls alsix-wheel drive Tigercat lows the operator to position enhanced with the inte- cing angle to align the field gration of a swing boom of view to the working area of the grapple.

> The slew system at the base of the boom uses components that are common to Tigercat track machines.

> In addition to the increased working envelope, the boom has a more powerful lifting capacity compared with a conventional dual function arch.

For cable assisted applications, the skidder can be factory-equipped for tethering with optimally positioned frame lugs and through-the-blade cable for swing boom skidding routing. The lugs attach to the frame structure behind lock the seat and operate the the front axle, closer to the

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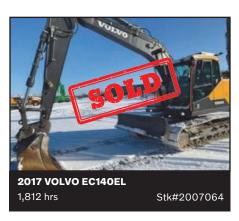






























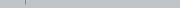


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### Topcon represents construction industry in "CampusOS" 5G research project

Topcon Positioning Ger- research project with the partners to take the digital many is one of 22 partners goal of developing a mod-construction site to the next

involved in CampusOS; a ular ecosystem for open 5G level." campus networks based on open radio technologies The future of the and interoperable network components.

> As part of the German technology program titled "Campus networks based on 5G communication technologies," innovative solutions for open 5G networks are being developed and tested in conjunction with the German Federal Ministry for Economic Affairs and Climate Protection. The program was launched at the beginning of 2022 and will from public networks, 5G run through 2025.

> The use of artificial intelligence in the operation of autonomous plants and construction machinery requires the highest level of digital sovereignty. If required for this, based on Construction 4.0, including far-reaching automation, is to become a reality in They operate with open Germany and the rest of the world, the processes of such data-driven solutions must run reliably, quickly and autonomously.

### **Funding**

The German Federal Ministry for Economic Affairs and Climate Protection is providing around €18.1 million in funding for the technology program over the next three years, which will cost around 33 million euros in total. The Fraunhofer Institutes FOKUS and HHI are partners from industry and research are involved. They include Deutsche Telekom, Siemens, Robert Bosch and

"To enable companies to operate their own campus networks, certain requirements must be met; from standardized technology building blocks to network structures. As the sole representative of the construction industry, Topcon will test the technologies on reference test sites and therefore, will help shape the solutions for the future," explains Ulrich Hermanski, Chief Marketing Officer working with our research

### construction industry

With this research project, construction companies will one day be able to operate plants and machinery autonomously in open campus networks. This will allow the fluid and uninterrupted monitoring of construction sites in real time, as well as the networking of all sensors and construction machines in use on construction sites.

Completely autonomous technology guarantees seamless machine-to-machine communication and transmits data ten times faster than 4G.

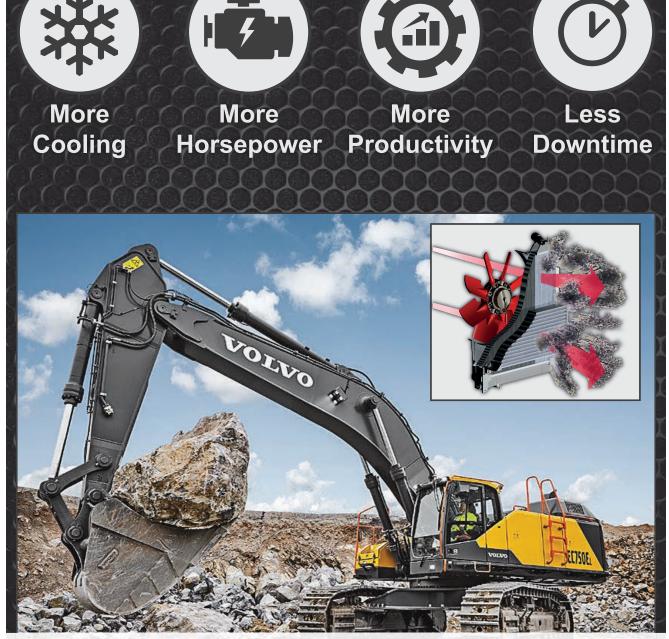
The campus networks 5G frequencies, are practically digital ecosystems. radio technologies and dialog-enabled components. The campus networks are geographically limited and can operate on a factory floor or on a construction site.

Hermanski explains: "We will put a lot of time and energy into this project, because 5G campus networks are an important key technology for the construction site of the future."

### A collaborative effort

In addition to Topcon coordinating the project. 22 Deutschland Positioning GmbH, the collaborative partners of the CampusOS lead project include: atesio GmbH, brown-iposs GmbH, BISDN GmbH, Robert Bosch GmbH, Deutsche Telekom AG, EANTC AG, Fraunhofer Institutes FOKUS and HHI (project coordinators), GPS Gesellschaft für Produktionssysteme GmbH, highstreet technologies GmbH, Kubermatic GmbH, MUGLER SE, Node-H GmbH, Rohde & Schwarz GmbH, rt-solutions. de GmbH, Siemens AG, Smart Mobile Labs AG, STILL GmbH, SysEleven GmbH, the Technical University of of the Topcon Positioning Berlin and the Technical Group. "We look forward to University of Kaiserslautern.







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### **ASV** expands attachments lineup with augers, breakers, trenchers and soil conditioners

ASV Holdings Inc. has expanded its line ASV's dealer network and the company machines. The new lineup features augers and bits, breakers, trenchers and soil conditioners. According to the company, the increase accessibility for contractors to attachments are tested to ensure maximum efficiency and performance with ASV equipment. Also, ASV believes that line of attachments with durable paint contractors can benefit from working with and heavy-duty construction to hold up a single point of contact for a comprehensive package of ASV equipment and attachments.

"ASV is excited to further expand its line of branded attachments with the addition of trenchers, augers and bits, breakers and soil conditioners for CTLs and skid steers," said Frank Gangi, attachments product perfectly matched to their ASV machine."

These attachments are available through

of branded attachments for use on ASV includes a two-year warranty with support available directly through ASV.

> "Our goal with these attachments is to take on more jobs with their CTL or skid steer," said Gangi. "We've designed our to whatever the jobsite brings."

> Along with the warranty and durable design, ASV offers financing options for its lineup of attachments. If eligible, commercial buyers who purchase an ASV machine through an ASV dealer have the option to finance the attachment with their machine.

According to the company, it plans to manager for the ASV brand. "These new continue to expand its attachment line, attachments are the perfect option for adding to the growing capabilities of contractors who need enhanced versatil- ASV machines and filling the increasing ity and want the guarantee that the tool is demands and variety of job-specific applications.









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972H, 980M, KAWASAKI 65ZV TM, 80ZV



2019 CAT 416F 2, 2012 CAT 420F IT, 2014 CAT 2019 CAT 416F 2, 2012 CAT 420F IT, 2014 CAT



430F IT, Stk #: R110-1007, B110-178, B110-208 430F IT, Stk #: R110-1007, B110-178, B110-208



2021 CAT 725 & 730, Cat C9.3/C13 Acert 2012 TO 2018 AMMANN ASC110 & diesel 320/375 hp, 26.5/31 ton payload, ASC130, 84" smooth and padfoot, drive, stk# B145-180/B145-179



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EPIROC ATLAS COPCO ST2G LHD FULLY REBUILT, new Deutz D914L06
Tier 3 engine, comes remote ready with retrieval hook, canopy avail., weight, stk# B10-289



SANDVIK TH430 U/G TRUCK, ejecrefurb done to truck, work ready, additional units avail., stk# B30-152



2016 EPIROC ATLAS COPCO LONGTOM 2 BOOM AIR POWERED BOOMER 282S, BMH2843 feeds, takes 14' steel, w/2 x straight feeds, drill hrs: 685/1053, stk# B20-091



**2011 CAT R1600G**, 8'7"W x 8'8"H x **SANDVIK TAMROCK LHD**, 29' L x8 34'3" L, bkt 8'9"W, Rebuilt: Cat 3176 W x 7' H, 17.5 R25 Bridgestone, stk# engine, trans. & hyd. cyclinders, A/C, B10-668 fire supression, stk# B10-713



(1 of 3) 2014 RECONDITIONED CAT



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2011 NORMET CHARMEC MF605DA tor box w/tailgate, 30 metric ton ANFO LOADER, for face+prod. capacity, Volvo engine, extensive charging in U/G mines & tunnels drill, set up for 7' split set or rebar, up to 65 m2 cross sec where max face height is 8.4 M., stk# B60-12



JUMBO DRILL, Driftech 2 17'L x 53"W x 66"H, stk# B20-078



SANDVIK DS410/ROBOLT 07-3 New Montabert HC50 drill & HC2 screen handler, Mercedes 904 power, A/C, stk# B70-05



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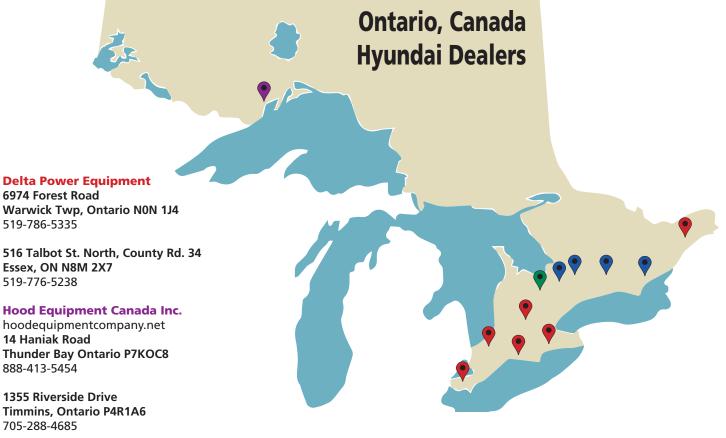
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# Bobcat announces investment in North American assembly plant

Bobcat Company has announced periencing in the marketplace," suburb of Minneapolis-Saint Paul. across its manufacturing footprint success." in the Midwest region. In addition, location in 2022.

onstrates our commitment to our fourth quarter of 2022. The facility presence in Minnesota, while will offer assembly space, ship-

plans for a new assembly plant in said Mike Ballweber, president of meeting rooms. Rogers, Minnesota, a northwest Doosan Bobcat North America. "We are dedicated to continuing to situated at the intersection of two This investment will add an addi- expand our capabilities and equiptional 225,000 square feet in proment product lines to empower our duction capacity and enable the customers, and this new location high-traffic location. According to company to streamline efficiencies will be an important part of this Bobcat, this will allow for the opti-

According to the company, it the company plans to add more is anticipated that the new operthan 100 full-time positions at this ation—located at 19850 Diamond Lake Road South on 22 acres in "This investment further dem- Rogers—will be fully operational by supporting the growth we are exping and receiving docks, employee

parking, breakroom, offices and Rogers facility is expected to con- can meet the needs of our dealers

The planned facility would be regional roadway systems, Interstate 94 and Highway 101, a unique, mization of manufacturing logistics by allowing the company to streamline the its supply routes alongside other locations in the region, while also creating supply efficiencies that support both market demand and the company's vigorous growth

tribute to the company's strategic manufacturing footprint plan and support its investments in facilities across North America, including the recent \$26 million expansion at its facility in Litchfield, Minnesota, and \$70 million expansion in Statesville, North Carolina.

These efforts are part of Bobcat's long-term strategic growth initiatives and supports its objective of long-term commitment to employees and communities.

"We will continue to invest in our facilities, employees and Furthermore, the addition of the manufacturing capabilities, so we

and customers, while continually enhancing excellence across our business," added Ballweber.

The company plans to ramp up the hiring of new, full-time employees over the next 18 months, with an initial emphasis placed on hiring qualified material handlers, assemblers and warehouse associates. According to Bobcat, these positions offer competitive pay, comprehensive benefits packages, initial and ongoing training and the opportunity for career advancement. 🖪

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(L to R) Allan Hawkins, Mackenzie Hawkins, Calvin Hawkins, {Tom Morelli, sales specialist for Bobcat of Hamilton} and Cody Hawkins from Allan Hawkins Electrical Service.

Allan Hawkins had started in the residential electrical sector back in 1985. When he acquired Jack M Kreager Electric in 1991, he changed the business name to Allan Hawkins Electrical Service and began offering additional services in the commercial and industrial sectors. For the past 15-years, Allan's sons Calvin and Cody have worked alongside him to eventually carry on his legacy when Allan retires. Now for over 30 years, Allan Hawkins Electrical Service takes pride in offering specialized and customized electrical services that most electricians won't do, including high voltage infrastructure, pole lines, substations maintenance, overhead and underground wiring for commercial and industrial customers, yet still offer residential electrical services as well.

After using several other brands of machines in the past, Calvin was asked why he switched to Bobcat® machines, and he stated "Bobcat machines are always on demand. Great for resale

value. They are much nicer to run as well. When a customer loses power, we use the Bobcat T450 track loader with the Bobcat trencher, and we are able to get them back up and running quickly. Also, if we need more Bobcat machines or attachments for a job, we can rent them from Bobcat of Hamilton quickly. We deal with a lot of emergency jobs. We also work all over Ontario so we know we can rent a Bobcat attachment close to where we are if needed at the last minute. They have attachments for everything. Bobcat of Hamilton always has parts and I know if I need to call them at 7 am if we have an emergency, they come through for us. It's great peace of mind knowing they will take care of us so we can take care of our customers right away. That is worth more than anything. Customer service comes first for Bobcat of Hamilton. One time, Tom Morelli, sales specialist, Bobcat of Hamilton even showed up on-site with Len Krick from Bobcat of Hamilton, neither of them mechanics, with a belt but they got us up and running right away. Tom has been great at answering my calls. I feel he gives me good value." Cody added, "I love that I can come home after a long day operating a Bobcat machine and play with my 10-month-old daughter as the cabs are very comfortable and I am not sore." Allan added, "machines are easy to get in out for an old guy."

They use the Bobcat E32 and E35 compact excavators and their Bobcat T450 and T650 compact track loaders to excavate footings for foundations and vaults, for digging trenches and auger holes, move wood, for clearing pole lines, and breaking concrete. They also just bought a new Bobcat E50 compact excavator to dig trenches even faster.

"We wouldn't hesitate to recommend Tom Morelli and Bobcat of Hamilton for your next machine purchase."

Thanks Allan, Calvin and Cody.

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## Rototilt unveils powerful new tiltrotator for excavators up to 43 tonnes

At Hillhead 2022, Rototilt excavators weighing up to 43 tonnes.

"With the RC9, we want to bring the customer benefits of the tiltrotator to even more users and large machines," says Per Väppling, sales and day-to-day working life of the rotate at the same time. marketing manager at Roto-

In conjunction with the Vei og Anlegg 2022 trade fair in Norway, the company is showcasing, for the first time, the latest in a long line of upcoming technical developments—the RC9 tiltrotator for excavators weighing between 32-43 tonnes.

According to the Rototilt, flexibility," says Väppling. will be showcasing its latest the RC9 allows users with innovation, the RC9—a large machines to switch bethat require greater precitrailing required for an assignment.

> excavator operator, and with the RC9 our aim is to bring even heavier assignments, the customer benefits of the which is why it has been imtiltrotator to even more users portant for us to devote a and even larger excavators. great deal of time to safety, Our product development precision and control. The of an exciting year for us, for team has managed to take goal has been to achieve optithings even further than mum parallel operation of that, with new features that tilt function and rotation to will further improve the provide an improved and line that puts control in the

The new tiltrotator is Rototilt's most powerful to date, powerful tiltrotator for tween excavating and jobs designed for excavators with breakout forces of up to 280 sion, reducing the number kN. New pressure-compenof machines and machine sated hydraulics enable the tiltrotator's functions to work independently of each other, More to come "We want to improve the allowing the user to tilt and

> "Larger excavators work on end-user's operability and smoother operating experi- hands of the machine oper-

the machine operator. We wanted to develop this solution in full and without any compromises before launch," says Sven-Roger Ekström, product manager at Rototilt.

According to Väppling, the RC9 is not the only new product being released in the coming year, and future launches will also see a focus on increased control.

"The RC9 marks the start our partners and not least for our end users. It also marks the start of a new product

ence with full control for ator, where the RC9 is first the first time, initially at Vei to be released. It feels par- og Anlegg and then at Hillticularly enjoyable to get to head. There will also be more meet up again at trade fairs new products in connection and events, where visitors with Bauma in the autumn," will be able to see the RC9 for Väppling concludes. ■





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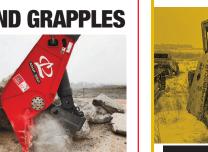






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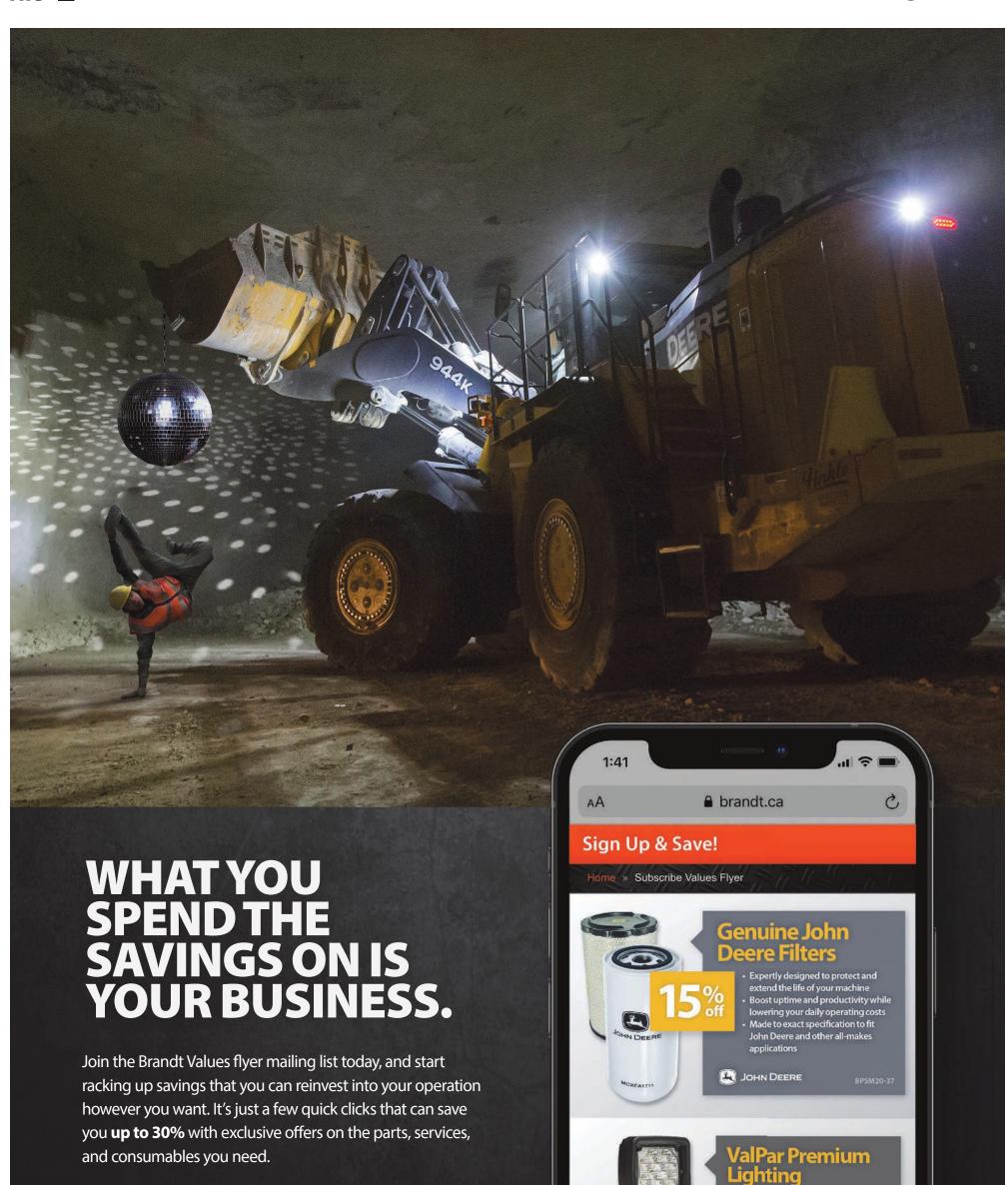
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## Steelwrist launches new quick couplers and tiltrotators for mid-size excavators

targeted toward 7-13 ton excavators. The Steelwrist SQ range is a high-performing, fully-automatic oil connection technology, used in quick couplers and tiltrotahydraulic work tools.

phased in on X12 and X14 work tools, and on the attiltrotators, which means that tachment coupler of the future S-type quick couplers and tiltrotators will be upgradeable to SQ-type.

S50 and SQ50 quick coupthe Steelwrist Front Pin Lock safety solution, a mechanical lock of the front shaft that limits the risk of an unintended drop of work tools.

The X12 and X14 tiltrotators have been redesigned with a new top and attachment coupler in order to make it possible to upgrade from S50

The new range of SQ50 quick to SQ50 at a later stage—even couplers and tiltrotators are if the SQ was not included in the initial order. According to Steelwrist, the new generation X12 and X14 tiltrotators will start to ship out during the third quarter 2022.

SQ technology on the tors on excavators to connect upper coupler of the tiltrotator allows for rapid change The new SQ50 will be between tiltrotator and other tiltrotator, it allows for rapid change between hydraulic work tools.

lers are steel casted and have SQ50 fully automatic quick Absolute Rotation Sensor couplers and tiltrotators, we will change the game in the the SQ50, the Qplus techgrowing 10 ton excavator segment with flow capacities of 120 liters per minute with low back pressure. This allows for flow capacity, allowing users efficient use of high flow work tools also for mid-size excavators", says Stefan Stockhaus, CEO of Steelwrist AB.



### "With the introduction of High flow hydraulics and

With the introduction of nology has been updated to allow for even higher flows, adding another 20 percent to to run high-flow work tools on mid-size excavators.

Also, in 2022, Steelwrist will introduce a new "Ab-

solute Rotation Sensor" in order to give higher accuracy to Machine Control Systems. The company claims that, together with Steelwrist Autotilt, customers will be able to achieve an even higher level of productivity. ■

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### Caterpillar acquires tech company **Tangent Energy Solutions**

Caterpillar Inc. has acquired Tangent Energy Solutions, a U.S.-based energy-as-a-service (EaaS) company, which will now operate under Caterpillar's Electric Power Division.

Headquartered in Kennett Square, Pennsylvania, Tangent Energy seeks to provide customers with turnkey solutions for reducing energy costs, increasing energy efficiency, reducing emissions, monetizing electric grid support and providing resiliency for on the information collected. customer operations.

"Tangent Energy has developed a suite of intelligent energy solutions that leverages advanced analytics to provide Jason Kaiser, vice president of Caterpillar Electric Power. "Tangent's EaaS offerings comproducts, enabling us to better serve customers for reliable, efficient, sustainable and connected power solutions that support business operations while generating new revenue streams."

Tangent Energy's proprietary software solutions monitor patterns from grid and client facilities, analyze opportunities in energy markets and then dispatch resources based network." ■

Through its software solutions, the company aims to maximize return without disrupting normal business operations.

"Caterpillar is at the forevalue to customers," said front of the industry in delivering robust and efficient power solutions supported by advanced digital offerings," plement Caterpillar's broad said Dean Musser, president portfolio of electric power and chief executive officer of Tangent Energy Solutions. "Customers select Cat power solutions for the long-term return on investment, and we look forward to working together to help deliver additional value through the compelling combination of our cutting-edge technologies with the customer relationships established by Caterpillar and the Cat dealer





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# Caterpillar's Global Operator Challenge kicks off at Illinois facility

On a cold, drizzly day in March, 25 equipment operators from Iowa, Illinois and Missouri converged on Edwards, Illinois to compete in the first Caterpillar Global by Altorfer Cat of Cedar Rapids, Iowa.

of all operators with various trials using the latest Cat excavators, loaders, dozers and backhoe loaders.

& Excavating in Foosland, Illinois. "We had a lot of good operators here."

Beyond the challenge, Caterpillar's second machine platform for any given task."

Global Operator Challenge seeks to bring awareness to opportunities available for Caterpillar's Edwards facility, was designed people interested in the industry.

"We are highlighting the skilled trades Operator Challenge dealer event, organized industry and giving operators an avenue to showcase their skills and talents," explained The day-long event challenged the skills Jason Hurdis, global market professional for Caterpillar.

Referencing the competition, he added, "Caterpillar isn't looking for the best wheel "It was definitely challenging," said loader or backhoe loader operator. We are Brandon Chandler of Chandler Concrete looking for the best overall operator, one who can get in any machine and apply their basic skills and talents to perform on any

The Altorfer Cat challenge, held inside Altorfer Challenge stations challenges were established using six separate pieces of Cat equipment.

"We included the Cat 317 excavator and 982 XE loader, both equipped with Cat Payload as well as a Next Gen D5 dozer with Cat grade control," said Trevor Shanahan, general sales manager south for Altorfer Cat.

Operators quickly maneuvered through various obstacles with total combined time, including penalties, being the determining

calculated, Kent Richmond, project manager for Klocke Inc. out of Palmyra, Missouri, was crowned the Altorfer Cat dealer champion with penalties for going out of bounds and with an overall time of 2,115 seconds.

"This was a fun experience. The course was set up well and tested the abilities, skill levels, and coordination of the operator; an all-around good course," offered Richmond.

Richmond, along with 34 other dealer champions selected from March to September, will travel to North Carolina for the North American regional semifinals operators load a Cat 735 truck with 30 tons in October.

Close behind Richmond, and taking second place, was Chris Dykes, superintendent for McCleary Excavating Co. Inc. of Blue Grass, Iowa, with a time of 2,294 seconds.

Chandler Concrete & Excavating's Brandon Chandler placed third with a time of 2,470 seconds.

To make the 2022-2023 Global Operator to do just that. A total of four different timed Challenge more competitive and robust, Caterpillar set a minimum threshold for dealer competitions of at least three different challenges and three separate pieces of equipment. Altorfer Cat one-upped these standards, opting for four challenges, some including multiple pieces of equipment within a challenge.

> "It's tougher than the last challenge," commented Dykes.

All participants took turns at each station. After the dust settled and final times were At Station 1, "DOZE IT FIT," operators used a Cat D5 dozer and Cat Grade with Slope Assist<sup>™</sup> to push a barrel around the course crushing the barrel. Participants also created a 20 percent slope with penalty for not making grade.

> "I didn't use the technology," said Mark Weber, Weber Construction, Cascade, Iowa. "I should have used it. I would have scored

> Station 2, "FORK + LOADER," first had of material using the 982 XE loader with Cat Payload technology with penalties for not hitting the mark. Bucket capacity meant the third load needed to be tipped off to hit 30 tons, and those using the loader's Tip-off Assist technology held an advantage. Oper-

> > Continued on A22









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# Phil app sees significant growth following launch at NHES in Toronto

The soil marketplace app, create contractor and busiciation of the new app. handful of beta users and saw an immediate increase following its launch at the Show (NHES) in Toronto, Ontario.

Phil is a free marketplace app that connects developers, civil and geological engineers and contractors with sites that are available to receive/offer various materials and aggre-

Currently, the app supports over twenty different kinds of materials.

The new Ontario soil regulations are built in built into the app and users can search the map, filter by material,

Phil, launched with only a ness listings, message other and deals.

Just a month after its launch National Heavy Equipment at NHES, the app is up to one lead at Phil. "This was a thousand users. Also, the great first launch and users appear to be sticking we are already getting around given the six million ready to launch in tonnes of clean fill and other other Canadian marmaterials that have been listed kets, starting with on the marketplace. Large Alberta. It just goes to groups like Condrain, Lafarge & Nelson Aggregates have also sitting down with your fubegun listing sites on the plat-

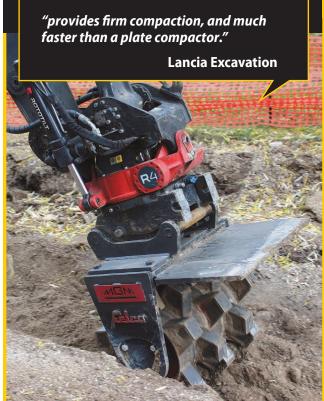
> nificant amount of media equipment show... I can attention at its booth, with already see the need for it high-profile industry per- everywhere,"said Scott, the sonalities like pushysix and CEO and content creator toolaholic sharing their appre-known as pushysix.

"There was a lot of great users and make purchases buzz online and we quadrupled our followers in 2 days" said Lianne Kerr, marketing show that nothing beats ture customers over a beer".

"This app might just be my The company saw a sig-favorite thing at the heavy



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## **K-Tec and Ashland acquire Metalcraft Scrapers**

K-Tec Earthmovers and Ashland products serving the construction, Industries have announced the mining, and agriculture markets. acquisition of Metalcraft of GA Inc., a heavy equipment manufacturer that commits itself to providing innovative and quality products at a competitive price.

This acquisition provides a facility presence in Southeastern US, along with expanded product offerings from the Metalcraft brand. The Metalcraft facility, located in Louisville, Georgia, will keep its operations under the management of founder Dayton Ratzlaff, who will continue to play an important role in the growth of the Metalcraft ganization that has developed a

are all manufacturers of earth- working and humble experts that

Joined together, all three brands are part of the K.A. Group.

According to K-Tec and Ashland, this addition to the K.A. Group will capitalize on organizational efficiencies, which includes an increase in production capability and, subsequently, shorter ordering lead times. Also, the K.A. Group seeks to implement practices across organizations that will enhance product design, purchasing synergies, servicing support and company culture.

"Metalcraft is an impressive orniche in the earthmoving industry. K-Tec, Ashland, and Metalcraft The company has a culture of hardmoving scrapers and accessory mesh seamlessly with our family

values in our existing Canadian and Wisconsin locations. They have a proven track record of bringing innovative solutions to the market that perfectly complement the breadth of our existing earthmoving product line offerings to the construction, mining, and agriculture markets," says Mike Palitsky, president & CEO of K.A. Group. "I want to reassure Metalcraft dealers and customers that we are committed to retaining the Metalcraft brand and existing product offerings."

"We are excited to join the K.A. Group family in this next chapter of Metalcraft's story. We see great advantages for our operations to build machines faster to match the high-demand for our products," explains Dayton Ratzlaff, founder to focus on our manufacturing around the world."



Randy Rust, Mike Palitsky and Dayton Ratzlaff.

of Metalcraft. "I look forward to strengths and continue building accessing this new corporate horse- our innovative equipment at expower to allow our Georgia team ceptional value for earthmovers

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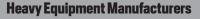














































# McCloskey set to officially unveil new C2C cone crusher

**EQUIPMENTJOURNAL.COM** 

At Hillhead 2022, McCloscially unveil the latest entry into its cone crusher line, the C2C.

With this new model, the refuelling intervals. company brings the power of footprint, offering high manoeuverability with a lineup of features aimed at boosting productivity.

a full-size MC200 cone, premium quality components, a powerful engine, efficient conveyor design and continuous load and material monitoring.

The C2C delivers high production, from material feed to end product stockpile, due **Telematics** to its material flow features. A low feed height, and large 6.2 m<sup>3</sup> (8.1 yd<sup>3</sup>)-capacity Hardox-lined hopper, allows unrestricted feed opening improves intake capability and reduces the risk of blockage.

As the material enters the tions. cone chamber of the C2C, a long stroke and high speeds is fitted with a telematics tivity, while ensuring a high quality end product.

Also, multi-layer crushing leads to a high capacity, better reduction and shape as well as reduced liner wear.

As the material moves to the heavy duty 48" wide con- McCloskey took into conveyor, the large gap between the crusher discharge and main conveyor feeder enhance the flow of material. Stockpiles are formed up to 3.3 m (10 ft 10 in) and, with ground level access, the belt is easy to maintain and service.

Power is built into the C2C, and a tagout capability on key International will offi- with a robust 280 kW (375 hp)

Furthermore, mobility a 200 hp cone to a compact on-site and between sites maintenance, reducing the is facilitated with remote downtime for the operation. control tracks that move and position the crusher, maximizing the efficiency of any Standard features include project site. Also, according what our customers are to McCloskey, the C2C can asking for," said Toni Laakbe setup and ready to work in less than five minutes.

> The C2C crusher is parlition recycling.

According to McCloskey, technology has been a key factor in the development of the C2C, with a 12" DSE for stop function while the control panel for optimal operational performance and reliability in providing push-button control of the cone, track and feeder func-

Additionally, the crusher contribute to high produc- modem for McCloskey's new 365SiteConnex program in most markets, offering a complete connectivity solution for highly accurate monitoring of McCloskey products.

> Another key factor that sideration while developing of the C2C was safety. The machine is equipped with a number of features to ensure the workplace and the operator are secure. Engine safety shutdown systems, start-up alarms, full safety guarding, external maintenance access

the isolator contribute to the engine on board, a high fuel safe operation and maincapacity and hydraulic tanks tenance of the equipment. to reduce the frequency of Moreover, ground-level access promotes safety and allows for quick service and

"The C2C is another example of McCloskey designing and delivering on sonen, Senior Vice President, ticularly suited for aggregates who needed the power of a their sites. There has been no and construction and demo- full size cone, but also the compromise in power or pro-



McCloskey International. ability to move their equip-ductivity with the C2C, and it and adding mobility based "We listened to producers ment easily on and around is a perfect example of lever- on how our customers use aging the best features from the equipment every day." our existing cone crushers,



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Chris Dykes

**Brandon Chandler** 

Kent Richmond

#### Continued from A20 - Caterpillar global operator challenge...

ators then moved to a Cat 299D3 compact "We worked with the (Caterpillar) team at track loader to assemble a metal tree and Edwards on the design, and they do such a load tires on the limbs.

Station 3, "HARD AS HEX," charged competitors to first pick up a metal bar with a of the day was a good time had by all. "It's just Cat 308 CR mini hydraulic excavator and maneuver it through a series of obstacles. Afterward, competitors moved to a Cat 317 740 EJ truck using Cat Payload with penalties portant person." applied for spilling outside the rock box and not hitting the 7-ton target.

"Depth perception going up through the (simulated) telephone poles was challenging," said Chandler.

Station 4, "BACKHOE," consisted of a Cat 420 XE backhoe loader putting tires on metal and maneuvering a metal bar to run through obstacles. The final task was to cross a trench trench.

While challenging, the course's design didn't include tasks that the operator wouldn't being number one, so I'm excited about it. typically encounter in the field.

"The Challenge gives us a great opportunity to showcase new Cat equipment and get but it will be rough," explained Kent Richour customers in one place," said Shanahan. mond of Klocke Inc.

fantastic job."

The operators' main take-away at the end fun," said Jay Proffitt, Jay Proffitt Construction Inc. of Solon, Iowa.

"Altorfer and Caterpillar are so above board excavator to load 7 tons of material in a Cat on letting you feel like you are the most im-

#### In their own words

More than two dozen machine operators competed in the Altorfer Cat local Global Operator Challenge dealer event. Here are some of the reactions from the day.

"They (our customers) were a little taken tree limbs, placing large boulders on tires aback at the quality of the set-up. We tried to give them a heads-up, but they weren't quite ready for how awesome this event without hitting a cord running through the turned out to be. They were excited," said Trevor Shanahan of Altorfer Cat.

> At regionals, it will be the best of the best throughout North America. It will be good,



"Each and every machine is a new experience, even though I have similar types and Excavating Co. Inc. mentioned: "The 'wheelsizes of machines. It's a challenge," said Jay Proffitt of Jay Proffitt Construction Inc.

Andy Joos of N.E. Finch Company re-"I didn't come here today thinking about flected: "The equipment is brand new and fast, really fast for sure. Definitely challenging. Everything was spot-on, and the guys said: "It's awesome. It's great to come out and setting us up were top-notch. They don't give us any slack."

Commenting on the most challenging three years ago, and this is tough."

part of the day, Chris Dykes of McCleary less' ... loader. There's no steering wheel in it. Imagine driving a car without a steering wheel. It's different. It's a smooth machine, but it's not normal."

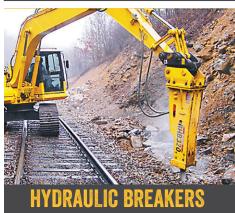
Finally, Mark Weber of Weber Construction run the equipment. Good or bad, it's just a great thing. It was a tough course. I was here



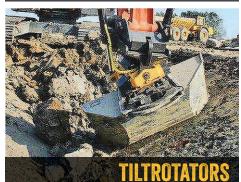
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MAY 30, 2022





generation VI compact asphalt roller range.

Also, the company has recently integrat-CO6200VI model—the largest in the Dynapac spreader. family of rollers.

### Bringing the operator into the next generation

The newly developed double drum and combi versions of CC1300VI & CC1400VI have been added to Dynapac's already recompact asphalt 2.46 to 4.75-ton range—a asphalt paving community.

Following the success of the already released generation VI asphalt rollers, Dynapac have now designed the CC1300VI & CC1400VI with the same mindset, to meet the commercial and highway paving industry's tough conditions.

operator in mind, resulting in a robust, comfortable and modern machine that produces quality compaction results.

The new generation VI machines have a unique cross-mounted engine design, improved visibility and casted forks with built-in flexible lifting.

Also, Dynapac believes that the new CC1300VI & CC1400VI rollers open up new possibilities in selecting suitable compaction characteristics with optional dual amplitudes and dual edge pressers.

These generation VI rollers include efficient eccentrics that are designed for optimum performance in the vibration start-up process.

The machines feature high frequency compaction with the possibility to choose between dual frequencies, depending on different conditions and applications.

Furthermore, the dual amplitude function is available as an option for even more flexibility when compacting different thicknesses.

Additionally, an optional asphalt tem-

Dynapac North America has added two new perature meter can help to make sure rollers, the CC1300VI and CC1400VI to its compaction is done at the right temperature interval.

Other options include single or dual edge ed oscillation technology into its 13.5-ton presser/cutters and a rear-mounted chip

These machine models are also available in a combi-version that features four static rubber wheels at the rear.

### Operator efficiency and comfort

According to Dynapac, the new rollers leased CC1100VI & CC1200VI, bolstering its were designed with the operator in mind. As a result, the company has engineered a range in high demand in the North American comfortable and modern environment for Pride in serviceability the user.

> The spacious and vibration damped platform enables makes long working days less exhausting and new seat design is available that features weight adjustment, armrests and optional heating.

Moreover, the forward and reverse lever easy opening and closing. According to the company, it has kept the follows the optional sliding seat for better ergonomics and better control.

> A new instrument panel and a display shows the most important functions to help the operator achieve more control over the

> Also, an optional, foldable canopy can protect the driver from different weather conditions.

### **Optimal compaction performance**

This range of rollers is powered by durable, fuel-efficient Kubota diesel engines, which Dynapac believes can provide unbeatable performance and maximize up-time.

Also, for the North American market, the company offers a 37 kW/50 hp T4f Kubota Dynapac's new CO6200VI features vibraengine with ECO mode.

A patented efficient eccentrics system optimizes compaction performance without drawing too much power from the power plant, even in tough slope conditions, which reduces fuel consumption and the machine's overall carbon footprint.



According to Dynapac, easily accessible daily service points were prioritized during the engineering process of the CC1300VI & CC1400VI. The engine hood is large and can be opened to a near-90-degree angle. Also,

The major daily service points under the hood are easy to reach and all hydraulic hoses, sprinkler nozzles, water-pumps and filters for the watering system can be accessed quickly and efficiently.

### Oscillation integration

Dynapac's first foray into oscillation on a tandem drum roller was introduced back in  $2019\,with$  the 11-ton CO4200 VI.

Since then Dynapac has introduced Oscillation technology on CO5200VI (77 in, 13 ton), CO2200 (59 in, 8.5 ton) and now rounds out with the largest roller in the family CO6200VI (84 in, 13.5 ton).

Just like its previous Oscillation rollers, tion on the front drum and oscillation on the rear. Also, according to the company, the CO6200VI will address two pain points for contractors associated with other brand oscillation rollers.

First, with oscillation creating a rubbing action on the asphalt material and, subse-



quently, premature wear on the drum shell, Dynapac has constructed the drums out of Hardox 450 steel, the hardest steel that can be shaped into a drum shell, which will ultimately prolong the life of the drum.

Second, Dynapac has addressed the it is equipped with a gas spring balance for lengthy and difficult process of changing the timing belts for the oscillating drum's off-centred eccentric weights.

> Typically, this can take up to two days and must be done in an appropriate shop where the drum can be dismantled.

> Instead, the timing belts on Dynapac's oscillating drums can be replaced in two hours and can be done in the field, if necessary.

> Also, Dynapac backs this technology with a 7-year/7500-hour pro-rated warranty.

> Applications in which oscillation is useful, or even necessary, include bridge decks and joints, as well as foundations and concrete structures.

> Also, oscillation rollers can be beneficial in some mixes to extend the compaction window before it cools out.

> The use of oscillation rollers is gaining popularity in highly populated areas where the noise of vibration is a concern. Dynapac's oscillating rollers have patented efficient eccentrics in an oil bath, reducing the surrounding noise levels when operated in oscillation mode.







# **MB Crusher looks to solve material** shortages through asphalt waste recycling

Managing and procuring pany installed a BF80.3 to crush recycled asphalt materials in the construction industry is rapidly to material shortages and rising costs.

140,000 km. Maintenance time. to repair potholes to preenormous task and building new roads and improving existing ones requires plenty of materials.

The tasks behind mainremoving old asphalt and laying down a new layer.

Recycling old materials for this purpose requires taking time to crush everything down to usable size. However, MB Crusher becan speed up the process.

In Austria, an earthmoving and logistics company owns a stationary plant that produces gravel and sand. Meanwhile, in its recycling with road infrastructure that centre, they collect and MB Crusher believes it can recycle construction and address is maintenance. demolition waste and asphalt from its construction customer in the road works sites and use it as recycled

To get this done, the com-

crusher bucket on its excavator, replacing a stationary becoming a concern due crusher for the practicality of a moving unit, thus leading to the production of The European road net- material of different output work has a total length of sizes and, ultimately, saving

Asphalt can be recycled vent damaging vehicles is an repeatedly and recycled asphalt pavement (RAP) is suitable for areas with heavy traffic because it makes roads more durable.

According to MB Crusher, taining roads involve using an MB-L160 crusher bucket on a loader is an effective way to process vast quantities of asphalt. Sometimes, running asphalt slabs through a stationary crusher, jams the machine and creates prolonged lieves that its equipment downtime. However, the company claims that its jaw crusher limits these jams and makes everything easier and simpler.

Another major problem

The company cites that a industry uses its MB-L200 crusher bucket, mounted on a Manitou telehandler,

and road maintenance. This, MB Crusher claims, shortens maintenance times and reduces overall costs.

Recycling asphalt provides those who manage roads with several benefits including reducing purchasing and disposal costs and lessening the dependency on stationary production

crushed asphalt reduces greenhouse emissions and limits the use of non-renewable natural resources.

Speaking of MB Crusher's and use it for pothole repairs crusher bucket offering, a representative from an road construction company in Austria states: "A great advantage is that the crusher bucket is straightforward to transport, especially with hard-to-reach construction sites, road work in the mountains or remote locations—and therefore, its versatility allows you to do more than what you typ-Moreover, recycling ically could do...increasing the value of our work, and of our construction sites, while respecting the environment."

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### Mazio launches versatile skid steer-mounted paving solution

The Mazio skid-steerand paving of roads, pathways, bicycle tracks, parking lots, driveways, and utility trenches.

With a  $1.5 \text{ yd}^3 (1.4 \text{ m}^3) \text{ hop-}$ per capacity, a paving width of up to 6.2 ft (1.9 m) and a paving speed of 82 ft (25 m) per minute, the SKID Paver can be installed on any type of ISO 24410 skid steer loader.

The unit works with hot or cold mix asphalt, paving asphalt thicknesses of 2 in (5 cm) up to 10 in (25 cm). Liquid propane gas (LPG) heaters keep material heated to 284° F (140°C). The wide 108.25 in (2,750 mm) hopper receives asphalt material directly from the haul truck, allowing for front or side loading, and automatically feeds to a 7.9 in (200 mm) auger. The machine's retractable hydraulic screed allows the operator to work around obstacles.

Also, the SKID Paver can be operated forward and backward from the cab or with a wireless remote control, which provides the operator a complete view of the work in front of the paver.

All functions operate hydraulically, including auger; screed lifting, lowering, and telescopic positioning; and hopper opening/closing.

mounted SKID Paver is Paver unit features an adapter for easy transport. ideal for asphalt patching plate, control panel box and remote control, feeding auger, capable of spreading sand, self-leveling system, screed gravel, stones and concrete heat system and an optional in flat layers. ■ vibrator. The hopper opens

The 1,567 lb (711 kg) SKID into two widths and fully folds

Also, the SKID Paver is

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## **ORBA** releases its provincial election priorities, looks to keep Ontario moving

Election Priorities." The plan sets project material specifications. out the Association's top five priand creating value for Ontarians, addressing the shortage of heavy civil construction labour, sustainprojects and enhancing safety for all road users.

ORBA's first priority calls for sustained or increased highways and transit capital funding.

"Infrastructure such as Highway 413 and the Bradford Bypass needs to be built as part of a multi-modal strategy to keep Ontario moving," says Bryan Hocking, CEO, ORBA. mechanism on all provincial con-"Congestion costs us all. Time tracts that provides coverage and spent in traffic keeps us away from friends and costs Ontario's econthe GTA alone," added Hocking.

ciation (ORBA) has outlined its construction materials on all force safe. provincial transportation plan public contracts and for the govwith the release of "Keep Ontario ernment to work with industry to pensation has been provided for unique workforce requirements of such as recycled asphalt pavement Moving: ORBA's 2022 Provincial bring further clarity to essential

"Currently, Ontario does not orities: funding for transporta- have a mechanism to deal with tion infrastructure, reducing risk the hyperinflation of construction materials such as steel, lumber and ready-mixed concrete", says Hocking. "Price uncertainty for these able transportation infrastructure important construction materials and specifications such as asphalt increases risk for both contractors and public owners create unnecessary volatility in the procurement growing shortage of construction mentoring opportunities that recertainty creates the best possible projections indicate that we will it imperative that the government interrupts the vital safety function value for Ontario's infrastructure require tens of thousands of new dollars.

> Furthermore, ORBA calls for a compensation for pandemic-reclaims that as a designated esworked tirelessly to deliver import-

Also, the ORBA notes that comadditional personal protective equipment (PPE), but that the upfront costs of many other safety measures that limited productivity have not been recovered.

provincial government to work with its federal partners on a more robust immigration strategy to attract more heavy civil construction structure requires a multi-skilled workers to Ontario.

workers in the industry, including general labour and apprenticeship and non-apprenticeship trades over the next decade."

spending time with family and lated impacts. The Association provincial and federal programs, federal Express Entry programs Second, ORBA calls for the ant transportation infrastructure are unable to deal with the current

of Ontario.

Also, ORBA wants more provinrecognition of the non-apprenticeship skilled trades. The building of essential transportation infraworkforce with many essential "We know that Ontario faces a non-apprenticeship type jobs and the perceived stigma around careers in construction.

According to the ORBA, current the province to promote the re- needed to guard against these dansponsible reuse of non-renewable gerous incidents, keeping traffic such as the Ontario Immigrant construction materials on more and trade moving and enhanomy \$11B in lost productivity in sential service, the industry has Nominee Program (OINP) and the transportation infrastructure pro- cing the safety of the travelling

"Our industry has demonstrated

The Ontario Road Builders' Asso- creation of a price index for key projects while keeping the work- labour shortage challenge. The a clear commitment to a circu-Association believes that an immilar economy through the use of gration strategy that recognizes the recycled construction materials the transportation infrastructure and aggregate; together with govindustry is a crucial step toward ernments, we can do more," says keeping up with the growing needs Hocking. "As proud Ontarians and responsible industry leaders, we want to continue to deliver the The third priority calls on the cial government promotion and highest quality projects in the most sustainable way."

> Lastly, ORBA calls for a provision that would prohibit drivers from overtaking snowplows working on provincial highways.

"When a collision involves a snowplow, it doesn't just affect the process," Hocking adds. More price workers," says Hocking. "Recent main unfilled. Thus, the ORBA sees drivers and vehicles involved, it work with the industry to promote that the snowplow was providing these opportunities and challenge and potentially makes driving in winter conditions more dangerous," says Hocking. "A provision ORBA's fourth priority calls on under the Highway Traffic Act is public." 🖪







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drill rigs, the company has now sistency and output. introduced SmartROC updates for both models.

diamond-protected buttons to pro-time. long replacement intervals.

#### SmartROC T35 and T40 tophammer rigs

and T40 surface drill rigs strengthen the company's offering within construction, quarrying and mining. The update includes a number of these tophammer models better technology and enhanced auto-

The SmartROC T35 and T40 are equipped with enhanced engine RPM control. The new level of intelligence increases the updated models' fuel efficiency by up to and T40, the operator can get drilling 5 percent, which leads to lower logs live during drilling, when using costs and a reduced environmental the Measure While Drilling (MWD)

customers with many valuable Wi-Fi, creating a report that can be features and options, enabling analyzed before making blasting more uptime and therefore higher productivity. With the operator these models offer valuable new Ulf Gyllander, global product manager at Epiroc.

#### Smart tech and enhanced automation

The new SmartROC T35 and T40 models offer many smart features, Product Manager at Epiroc.

After previously introducing providing a range of automated and Higher productivity PowerROC and AirROC versions sustainable solutions. According to of its T35 and a FlexiROC version of Epiroc, the enhanced automation a new 12 percent larger pulley both the T35 and T40 tophammer helps to achieve new levels of con-

Both models feature self-diagnostic capabilities, which help Also, Epiroc has introduced a to track down issues quickly and leads to reduced costs. Altogethnew bit, the Powerbit X, featuring effectively, which minimizes down-

the automated adding of rods when sensors, which are now located the rig drills down. Once the hole is in a more protected area with less complete, rods are extracted with risk of damage. Epiroc's new the SmartROC T35 reduced input needed from the operator.

### **User-friendliness**

A new 15-inch touch screen with new features and options, making an intuitive Graphic User Interface (GUI) is now fitted onto the T35 equipped than ever. With smart and T40, providing quick and easy adjustments of drilling parameters. mation, the models deliver more Also, both cameras, rear and supsustainable and user-friendly solu- port leg, are now integrated into the Less exposure to danger for oper- is possible to drill in auto mode display which removes the need for an additional screen.

### Real-time data

While using the SmartROC T35 option. The log file is exported to "This product update will provide ROC Manager via Certiq, USB or decisions.

"On top of all these new features, in focus, we have made sure that we also have numerous new options available for this update, such as a technology that is easy to use," says new pressure-washer, extra lighting, and Measure While Drilling live making it possible to log drilling parameters during drilling. It is no understatement to say that these time, which means fewer chandrill rigs are better equipped than ges, higher productivity and less ever," says Ulf Gyllander, Global exposure to danger for operators."

The models are also fitted with wheel, which reduces wear on the feed cable due to reduced cable-bend. The feed cable and the wheel will last longer, which er, this means less downtime for maintenance. Uptime is improved Also, another smart solution is with better placement for feed

According to Epiroc, the SmartROC T35 and T40 will be available to order for all markets as of May 2022.

Epiroc has introduced the Powerbit X—a drill bit with inteators, more uptime and lower CO2 emissions are some of the benefits.

The less time an operator spends on changing drill bits, the better. Every avoided bit change eliminates the risk of slipping and falling and prevents injured backs, hands Falkeström, strategic business and fingers as well as increasing the drilling time.

"Powerbit X is a game-changer when it comes to safety, says Goran Popovski, president of the tools & attachments division at Epiroc. "The diamond-protected buttons gives the drill bits subthose with standard buttons as well as maximizes the drilling

### The diamond-protected Powerbit X Less interruption, more productivity

Powerbit X realizes the full potential of remotely and autograted diamond-protected buttons matically-controlled drilling. The to prolong replacement intervals. long drill bit life means that it during breaks, shift changes and blast ventilation cycles.

"An operator can complete a **Fewer bit changes, improved safety** single hole with only one drill bit. The alternative with in-hole bit replacements is time-consuming and quickly adds substantial productivity losses," says Jonas development manager at Epiroc. "It is possible to save hundreds of hours by changing to this new technology using buttons protected by diamonds."

### **Cutting CO2 emissions**

The extremely hard surface of stantially longer service life than Powerbit X makes it possible to reduce the amount of CO2 emissions per metre drilled by up to 90% compared to standard drill bits. The long bit life of Powerbit X leads to less consumption of diameters. energy and resources.



### **Avoiding regrinding**

Regrinding involves a lot of logistics, and operating a grinding machine intensive work. According to Epiroc, using the Powerbit X means that drill bits will last significantly longer and need virtually no regrinding. When a Powerbit X drill bit is completely worn out, it can then be recycled.

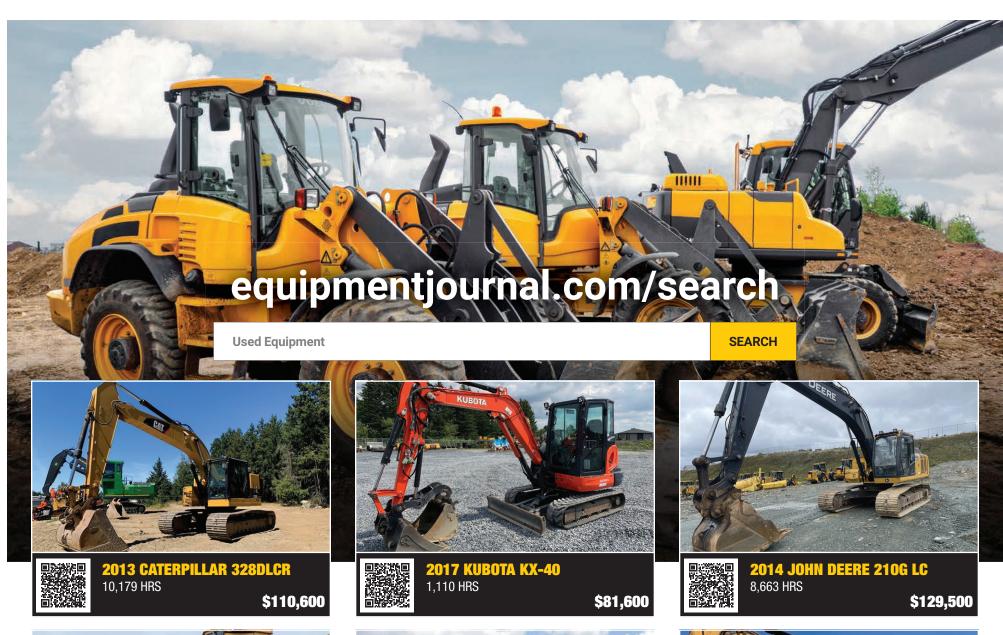
### **Consistent results**

When using a traditional drill bit, the diameter gets reduced over time, leading to smaller and smaller holes.

Epiroc claims that with the Powerbit X, the diamond-protected buttons will keep their shape throughout the lifetime of the bit, leading to consistency in hole



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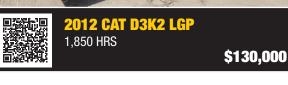


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### **LOOKING BACK AT MINING**



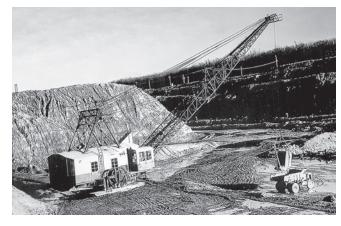
By HCEA Canada

Pictured here, in November of 1958, is a Bucyrus-Erie 200W walking dragline that is stripping overburden at the Canada Cement Company plant near Ingersoll, Ontario.

This electric-powered walking dragline was assembled on-site in 1956 and was equipped with a 4.6 cubicmetre (6 cubic-yard) bucket and a 38.1-metre (125-foot) boom.

This machine was used to remove hard overburden from high quality limestone that was, in turn, used to and another Bucyrus-Erie Canada Cement walking electric crawler shovel loaded the blasted limestone in smaller cable shovels, cranes & Tracks in Motion" event is the quarry to be crushed for and backhoes in its Guelph, being held on Saturday, June processing.

As early as 1910, Bucyrus had been manufacturing pany decided to strip near Barrie, Ontario. medium to large-sized draglines for surface mining operations. Manufacturers Co. and Page Engineering Ltd., both based in Chicago, were rivals of Bucyrus at this ville, Ohio in the late 1970s. Partner. time.



to access its dragline walking overburden, but lasted only crawler, rail and roller setups.

1946 saw the first Bucyrusdragline. Bucyrus-Erie built Ontario factory.

overburden with scrapers with rippers—the B-E 200W

Several Ontario earthover the Monighan Company their hand at removing the ada.org.

system that was superior to a season or two due to the abrasiveness of the material.

Next, contractors with make cement. The dragline Erie 200W dragline in large excavators and articuloaded a fleet of Euclid 30 operation. Some 55 units lated rear dumps came to tonne rear dump haulers were built, including this adjacent quarries, faring somewhat better.

> HCEA Canada's "Wheels 11th and Sunday, June 12th at When the cement com- the Simcoe County Museum

Also, in October, HCEA and dozers—equipped Canada will be holding its "Last Blast" event, which will such as Monighan Machine was sold, dismantled and also be held at the Simcoe shipped to an open-pit coal County Museum, of which mine operation in St. Clairs- HCEA is a proud Heritage

Please check the website In the 1930s, Bucyrus took moving contractors tried for updates: www.hceacan-



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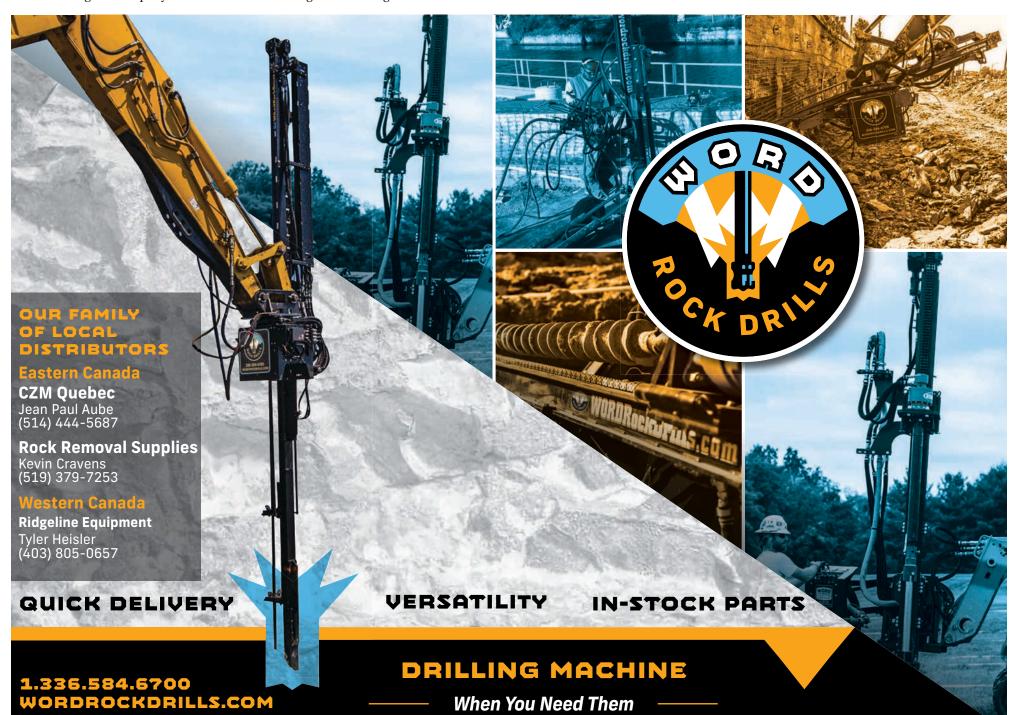


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### **Copper Mountain receives sustainability award for Electric Trolley-Assist Project**

has awarded Copper Mountain Mining Corporation, leaders in Canada's mining sector, their innovative Electric Trolley-Assist Project focused on reducing carbon intensity and minimizing environmental impact.

Although trolley has been around since the from Copper Mountain Mine.

In partnership with SMS Equipment, Komatsu, ABB, Clean BC, and BC Hydro, Copper Mountain installed a 1 km trolley-assist section where pantograph-equipped electric haul trucks support material trans-

emissions by 30%, paving a solid foundation and capacity increases.

The Mining Association of Canada (MAC) for Copper Mountain to achieve its net-zero

"This project stemmed from our desire with this year's Towards Sustainable Mining to reduce our carbon emissions and make (TSM) Excellence Award in recognition of a meaningful change while managing our costs," said Don Strickland, executive vice president of sustainability for Copper Mountain Mining Corporation. "Diesel is the largest source of GHG emissions at the mine 1980s, this pilot is a first of its kind for North and between our second and third largest America, requiring a massive commitment cost for the site. With clean electricity available in B.C., the best way to achieve both objectives was to consider trolley-assist technology when we went out for the tender on new trucks. We have now successfully commissioned five trolley-assist haul trucks."

Copper Mountain Mine is targeting to



reduce historical carbon intensity by over program deployment specialists, we are tric haul trucks at the mine," said Dennis Overall, the project aims to reduce carbon 50% in 5 to 7 years through electrification collaborating closely with Copper Moun- Chmielewski, executive vice president of tain and key partners to ensure successful mining for SMS Equipment.



"As mining technology leaders and implementation of the trolley-assist elec-

## Komatsu's next-gen Joy Compak hydraulic system improves cycle times by 12%

ditions, operators need confidence in their longwall systems. According to Komatsu, building this hydraulic functions in powered roof supports (PRS).

Engineered to be durable and reliable in rugged environments, the Joy Compak system features corrosion-resistant materials on valve block assemblies, components and the main body. With a reduced number of components to lessen wear and tear, the spool valve in the system is engineered to handle higher flow rates to help reduce the risk of part failure, and promote extended life.

Providing flexibility to suit the individual needs of a given operation, the Joy Compak Next Gen hydraulic system can be upgraded or retrofitted to any PRS system, regardless of manufacturer.

### **Increased productivity**

The high-performance valve technology of the Compak hydraulic control system helps improve cycle times by up to 12%, compared to the previous model.

Designed with operators in mind, this hydraulic system's overall size is reduced by up to 27% and weight by up to 30%, making it easier to position, while improving accessibility. Also, hosing position has been conveniently located for better access.

Furthermore, the reliable hydraulic valve system helps control modern automated longwall powered roof supports from the Faceboss electronic control system using solenoid control or through manual control with the solenoid push button override function. Ergonomically positioned for ease of access, operators can control the main override function easily and effect-

enoid.

#### High reliability

confidence starts with the in the functionality of the hydraulic spools that operate connecting hoses, to help your roof supports' functions, and Komatsu's seal technology aims to prevent easily expanded—with over for replacement parts and

A simplified, standard- functional requirements

ging, unpredictable con- pushbutton within the sol- helps provide a reduction operation. For example, in the number of spool a standard 10-spool valve valves without impacting can be expanded with ease performance of the Com-Seals play a crucial role pak hydraulic system. This four-spool expansion moddesign minimizes fitting and ules. reduce potential leak points. **Streamlined maintenance** 

Additionally, the system is

When mining in challen- ively through an integrated ized hydraulic circuit design to suit the needs of an tridge-style construction blies, cartridge valves and through separate two- and

To help reduce lead times leakage in hydraulic spools. 16 functions—to increase streamline maintenance, the hydraulic control system features a modular design incorporating a series of standard components.

Easy to change car-

makes replacement straightforward and manageable.

Manifolds, valve assem- design. ■

fittings are all standard as part of the system's modular



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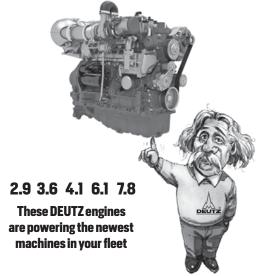
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### **NEW HIRES & APPOINTMENTS IN THE HEAVY EQUIPMENT INDUSTRY**

# **Don Spaziani named service manager for Brokk East Coast**

Brokk East Coast, which houses Brokk and Aquajet inventory, offers operator training, equipment demonstrations, parts and repairs.

Spaziani is responsible for building a service team in that location and expanding repair and refurbishment services in the region.

"An important aspect of supporting our customers' success is giving them easy access to service," said Lars Lindgren, president of Brokk Inc. "We've been growing rapidly, and the time is right to expand services in the eastern U.S. and Canada. Don has decades of manager, covering nine branches

Brokk has hired Don Spaziani as service departments and providing service manager for Brokk East outstanding customer service. Our regional service manager for the Coast, located in Stanhope, New customers will benefit from the team he assembles that specializes in the unique needs of Brokk and Aquajet equipment. We are pleased to welcome him to our team."

Spaziani, who lives in Montville, New Jersey, brings 35 years of industry experience to his position at Brokk Inc. After graduating from the Engine City Technical Institute in Union, New Jersey, he started his for providing excellent service career as a mechanic at a Caterpillar dealership in the area and worked his way up to service manager. Then, he joined John Deere Construction and Forestry Equipment Company as regional service/warranty experience building and leading extending from Maine to New York.

Most recently, he worked as a local John Deere Construction and Forestry dealership that covers New York City, the Hudson Valley and Northern New Jersey. During his nine years in that role, he led the creation of a new Long Island branch that included 12 mechanics and offered service, parts, rentals and sales.

"Brokk and Aquajet are known and support, and I look forward to building a team that carries on that tradition," said Spaziani. "We'll be working hard every day to provide outstanding product support to keep our customers up and running."



Don Spaziani

## IROCK promotes Dan Davis to senior technical sales manager

IROCK Crushers has member in the aggregates in his most recent position Davis looks to use his diverse overall purpose of providannounced the promo- & construction industry for as Western Regional Sales knowledge of the industry, ing and promoting IROCK's tion of Dan Davis to Senior over 40 years. With his ex- Manager at IROCK. Technical Sales Manager.

tensive experience, Davis

In his new role, senior Dan has been an active provided invaluable insight technical sales manager,

equipment, applications solutions within an expandand customer insight to furing marketplace. ther promote and expand the IROCK brand.

IROCK engineering for the that drives our brand for- & business development. ■

"The team at IROCK is excited for what's to come as Furthermore, Davis is Dan steps into his new role tasked with the continued as Senior Technical Sales growth of the brand's Manager. He has already presence through the de- proved himself a huge asset velopment of strategic during the last eight years relationships and part- he's worked for IROCK, nerships. He will be a key and I'm looking forward player in building and to the successes he brings Dan Davis strengthening direct collab- in the years ahead. He sets



oration with IROCK dealers, an example of the level of ward," said Nate Russell, aggregate producers, and knowledge and experience IROCK's director of sales



Having graduated from the Broadcast Journalism program at Seneca College in May of 1982, Daryl MacLennan applied for a job as a one ton truck delivery driver at Hub Equipment. When asked why a broadcast journalism graduate would be applying for a job as delivery driver by President Verne Stevenson, Daryl answered, "You need a driver and I need a job. Who knows, maybe there's a future for me here that I don't even know about". Fortunately, Daryl got the job.

In December of that same year, Daryl was given the opportunity to go on the road as a rental representative. Knowing little about heavy equipment at the time, The CAT Performance Handbook and various product brochures became his nightly reading. "I always figured the people I was talking to knew more about the equipment than I did, so I focused on building relationships and trust in the equipment and services we could provide", stated Daryl. Having success in this role, Daryl's dreams of a career behind the

microphone died. "I was driven by the feeling of accomplishment when I'got the rental' and helped our clients. I discovered the harder you work, the greater your success", said

In 2005, Daryl accepted the role as rental manager. Asked why Daryl likes working at Hub he explained, "Although I've made a couple of other stops along the way, Hub as always felt like home to me. Hub is a great place to work, having just celebrated 75 years in business. I take great pride in representing Hub Equipment and its long tradition of excellence in the heavy equipment industry and continuing to be a part of the team. I still have lots to give ... I'm just a little slower after 40 years on the road."

Asked about Daryl, president of Hub Equipment Tom Sevenson answered "Daryl has been a consummate professional at Hub for many years. His dedication, commitment to finding the right solution and integrity are unsurpassed."

### **REV Group announces new VP and GM for Capacity and Laymor**

REV Group Inc., which includes specialty vehicle manufacturers Capacity terminal tractors and LayMor street sweepers, has announced the appointment of Joe Garton as vice president and general manager, Specialty Division.

This role oversees Capacity of Texas, LayMor and associated aftermarket parts businesses based in Longview, Texas. Garton will report to the president of Joe Garton **REV Commercial Segment** 

Garton has more than manufacturing and indus- ington PLC. trial environments.

where he managed a team of term, sustainable growth," said



& SVP of Operations, Brian over 600 people, across four Brian Perry, president of REV's manufacturing sites.

Prior to Morgan Corp, 25 years of operations, Garton held progressive supply chain and product leadership roles with JMG management expertise in Solar, Xunlight Corp and Pilk-

"In his role as VP/GM, Joe Previously, he served as will be tasked with advancing the director of operations our operational execution in at Morgan Corporation, a Longview and building-out division of JB Poindexter, our team capabilities for long-

Commercial Segment. "Joe will continue to expand upon the great work the Longview team has done in ramping up production volumes to better serve our customers and grow market share."

Garton holds an Executive MBA from the University of Toronto and a Bachelor of Business Administration from York University in Toronto. ■





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2017 CAT 313FL 1353 HRS, A/C, AUX. HYD.,



**2017 CAT 320FL** - 2700 HRS, NEW Q/C, L/S, FOR RENT



**2015 CAT 321D** 4,600 HOURS, AUX. HYD., DUAL



2018 CAT 325F LCR 9'6" STICK, PIN GRABBER COUPLER, HP TOOL CONTROL, 31" PADS.



NEW 2022 CAT 330 TOOL CONTROL, COUPLER, CHOICE OF BUCKET. FOR RENT





**NEW 2022 CAT 335** AUX HYD., Q/C, LONG **2013 KOMATSU PC210LC-10** 3,620 HOURS, .FOR RENT



**2019 HITACHI ZX225 USLC-6** 2900 HOURS, **2020 HITACHI ZX225 USLC-6** 1900 HOURS, Q/C, AUX. HYD.. ..ASKING \$219,000



Q/C, AUX. HYD..



2019 HITACHI ZX300LC-6N 1,645 HOURS, 32" PADS, 12'4" STICK, AMI MATT GRAPPLE, HYD. THUMB...



....FOR RENT ARRIVING SOON.





NEW 2022 CAT 950M GP BUCKET, FORKS, 2017 DOOSAN DA30 3,300 HOURS, WIDE 



TIRES, TAILGATE

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