

# PROFESSIONAL DEMOLITION page 1 AMERICAS

Your Gateway to North, Central and South America

Volume 11 • Issue 3  
September - October 2023

## News

AGP Introduces High  
Cycle Coring Motor  
and Drill Stand  
page 29

## News

Pentrunder MDU3  
Is Here!  
page 38

## Business

IACDS Announces 2024  
Annual Meeting  
page 6

## Business

JCB Expands  
Distribution  
in Texas  
page 9

## Business

Equipment Manufacturers  
Welcome SC Governor  
to BOMAG Americas  
page 10

## Reports

Meet Dynaset's New CEO  
Anni Karppinen  
page 24-25

## News

New DC All Saw  
Blades From Tyrolit  
page 16

## Feature

Wall and Wire Saw Updates  
page 18

## Feature

What's New With Mini  
and Compact Excavators?  
page 26

## Feature

Dust Defiers!  
page 34

## Site Report

Hydrodemolition Helps Put A Fresh  
Face on a Canadian Dam  
page 30

## Reports

# MB Crusher Makes It Big in America

pages 12-14



# OUR KIND OF PLAYGROUND

This is the natural habitat for Brokk's compact giants. With the perfect combination of power, operability and accessibility our demolition robots provide efficient solutions to increase profits.

SEE US AT



## Professional Demolition Americas Magazine

Postal address:  
Riverbends Publishing, LLC, Pda Magazine,  
P.O. Box 552, Nokesville, VA 20182, USA

Phone:  
+1 703 392 0150

E-mail Editorial Office:  
editorial@pdamericas.com

Web Site:  
www.pdamericas.com

ISSN Registration:  
ISSN 1650-979X

### EDITORIAL STAFF

Senior Editor:  
Jim Parsons  
jim.parsons@pdamericas.com

Editor-in-Chief:  
Jan Hermansson  
jan.hermansson@pdamericas.com

Assisting Editor-in-Chief:  
Anita do Rocio Hermansson  
anita.hermansson@pdamericas.com

Editor North America: Jim Parsons  
jim.parsons@pdamericas.com

Editor South America: Luiz Carlos Beraldo  
luizcarlosberaldo@gmail.com

Editors Europe: André Hermansson  
andre@pdworld.com

Vitor Hermansson

vitor@pdworld.com

**CORRESPONDENTS**  
Andrei Bushmarin  
andrei.bushmarin@pdamericas.com

Mikael Karlsson  
mikael.karlsson@pdworld.com

**SALES**  
Sales Director North & America  
Andrei Bushmarin  
Phone: +7 921 949 27 81  
andrei.bushmarin@pdamericas.com

Sales Director North America  
André Hermansson  
Phone: +46 70 979 04 03  
andre@pdworld.com

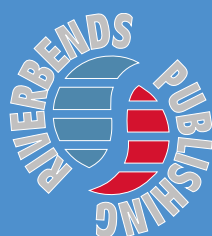
Sales South America  
Eduardo Kubrick  
Phone: +55 11 999494544  
eduardo.kubrick@pdamericas.com

Sales Europe and rest of the world  
Phone: +46 8 585 700 46  
sales@pdamericas.com

**Publisher**  
Jan Hermansson

Cover Picture:  
Kemroc.

The magazine Pda, Professional Demolition Americas is published four times per year in North and South America. The annual airmail subscription rate is US\$ 46. All subscription correspondence should be directed to: The subscription department, Riverbends Publishing, LLC, P.O. Box 552, Nokesville, VA 20182, USA. Or sent by e-mail to info@pdamericas.com. Pda is mailed by second class postage. © Copyright Riverbends Publishing, LLC, 2013-2023. Printed in the US.



# Contents

## Professional Demolition Americas

### Your Gateway to North, Central and South America

<b>4</b>	<i>Editorial</i> Hot Stuff: Sizing Up Safety Amid a Sizzling Summer	<b>11</b>	<i>Business</i> Montabert USA Opens Expanded Rebuild and Distribution Facility	<b>22</b>	<i>News</i> Pettibone Cary-Lift 204i with Scrap Baler
<b>6</b>	<i>Associations</i> NDA Launched First Certification Program		Yanmar Announces North America 2022 Dealer of the Year Award Winners		Hyundai Names Pillar Equipment to Serve Quad Cities and Northwest Illinois
<b>6</b>	<i>Business</i> ASV Celebrates 40th Anniversary	<b>12</b>	<i>Reports</i> MB Crusher Makes It Big in America	<b>29</b>	AGP Introduces High Cycle Coring Motor and Drill Stand
	IACDS Announces 2024 Annual Meeting	<b>24</b>	Meet Dynaset's New CEO Anni Karpainen	<b>37</b>	Culture in Construction: Why it Matters, and How to Make it Better, By the Association of Equipment Manufacturers (AEM)
<b>8</b>	Events Calendar	<b>32</b>	Calling All Industry Professionals! Opportunities Await...		Hyundai Adds Dealer for South-Central Pennsylvania
	Hyundai North America Launches Dedicated Compact Equipment Sales/Support Team	<b>9</b>	<i>News</i> Chicago Walls Come A'Tumbling Down Thanks to Antraquip	<b>38</b>	Pentrunder MDU3 Is Here!
	Envimat Earns Top Honors Among Sennebogen Dealers in the Americas	<b>16</b>	New DC All Saw Blades From Tyrolit	<b>34</b>	General Equipment's CS8 Random Crack Saw Ideal for Both Asphalt and Concrete Surface Repair
<b>9</b>	RM Group Continues to expand in Southeast Asia		General Equipment Company's M-Series Surface Grinder Line Designed for Magnetach Tooling System		Atlas Copco Expands Energy Storage Systems Portfolio
	STIHL, Inc., Announces Executive Transition	<b>17</b>	Develon Launches New Generation DX27Z-7M Mini-Excavator for Brazil	<b>18</b>	<i>Feature</i> Wall and Wire Saw Updates
	JCB Expands Distribution in Texas	<b>20</b>	Aquajet Introduces Versatility-Expanding Accessories for Aqua Cutter 750V	<b>26</b>	What's New With Mini and Compact Excavators?
<b>10</b>	Equipment Manufacturers Welcome SC Governor to BOMAG Americas		Yanmar Expands Minnesota Manufacturing Facility	<b>34</b>	Dust Defiers!
	Marcus Benn Appointed Senior Sales Director for EMEA and APAC	<b>22</b>	Demolition and Reconstruction: The Future with MB Crusher Buckets	<b>30</b>	<i>Site Report</i> Hydrodemolition Helps Put A Fresh Face on a Canadian Dam

# Hot Stuff: Sizing Up Safety Amid a Sizzling Summer

I grew up hearing my Mom make that observation every summer when temperatures in my central Virginia hometown made its way into the 90s. Hers was more a statement of acceptance than lament; as our 1920s-era house had no air conditioning, there really wasn't much we could do about it except run the big floor fans and open every available window in hopes of catching any breath of a breeze at some point during the day or night.

Those in construction and other jobs performed outside or in un-cooled spaces are similarly resigned to carrying on through the heat during much of the year. Indeed, many people seem to thrive in such environments, preferring "sweating it out" over having to bundle up against the cold or being idled by rain and snow, when no work can often mean no pay.

During this summer of 2023, however, the resilience of outdoor workers has been challenged as never before by record lengthy periods of record-setting heat and humidity in many parts of the US. Even metropolitan Phoenix, where triple-digit temperatures literally and figurately come with the territory, experienced 31 consecutive days of highs above 100 degrees. (I could swear we endured similar stretches of blast furnace-like conditions during my youth, but climatological data for the time says otherwise.)

Now it's easy to assume that the addition a few degrees on an already extremely hot day might make little difference to those used to working in such conditions. But as this summer's heat wave has gone on, so too has the frequency of reports about construction workers being treated for heat exhaustion. Several heat-related deaths have also been recorded, though the total number won't be known for several months.

Fortunately, there are also many reports of contractors being proactive about keeping their workers safe and productive under the most extreme conditions. The foundation of these strategies—gradual acclimation to hot weather work, water and shade breaks, and emergency response plans—is being augmented by measures such as

adapting dust suppression sprays as daytime oases, rearranging shifts and heavy work to avoid the hottest times of the day, and even handing out juices and freeze pops (though without the jingle of the roaming ice cream truck).

These measures defy "tough it out" mindset of years past, but we've learned a lot more about long-term effects of prolonged heat exposure. And at a time when skilled labor is in such short supply, few workers will want to be part of an organization that doesn't go the extra mile to keep them safe during weather extremes.

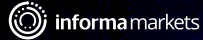
Hopefully, the arrival of this issue of PDa brings with it moderate temperatures and an end to summer's extremes—at least that's what the calendar says is supposed to happen. But Mother Nature has shown a recent tendency to not only ignore calendar conventions, but also rewrite weather records on a more frequent, sometimes daily basis. This is a good time for contractors to reflect on the success of their heat safety practices, and look at ways they can be improved.

After all, the summer of 2024 is just a few months away.

Jim Parsons, Senior Editor

jim.parsons@pdamericas.com





EXHIBITS: JANUARY 23-25, 2024  
EDUCATION: JANUARY 22-25  
LAS VEGAS CONVENTION CENTER



# WHERE LEGENDS ARE MADE



As the industry's No.1 authority, we've stayed true to our mission to support the needs of concrete and masonry professionals. Today, we're working just as hard to deliver opportunities and strategic connections as we did on day one. Join us to see, touch and test state-of-the-art solutions that drive informed decisions and put your business on solid ground for the year ahead.

BUILD A LEGACY OF SUCCESS.



LEARN MORE  
ABOUT WOC



VIEW  
INTERNATIONAL  
EVENTS

**REGISTER NOW** at [worldofconcrete.com](http://worldofconcrete.com)





**PDa Magazine is pleased to present regular updates from the US National Demolition Association. This column comes from NDA Executive Director Jeff Lambert.**

### NDA Launched First Certification Program

The demolition industry's longstanding labor shortage is now increasingly exacerbated by a skills shortage. The industry is constantly evolving, and workers need to be up-to-date on the latest technologies and techniques. However, many of them lack the skills necessary to meet the demands of the modern industry.

To address this, NDA launched its first certification program—the Certified Demolition Supervisor (CDS)—earlier this year. The certification is in the beta phase with more than 60 candidates slated to take the remotely proctored pass/fail exam at the end of September.

One of the most comprehensive and respected demolition certification in the industry, the CDS is designed to upskill our workers and raise the bar in the industry while addressing the skills gap. The certification will help demolition professionals advance their careers while also enabling their demolition company employers gain a competitive edge in the bidding process.

The CDS certification recognizes individuals who have demonstrated competence in all aspects of demolition, including safety, environmental, operations, and people management. A CDS is accountable for all aspects of a demolition project site, from planning and permitting to execution and clean-up. The CDS designation promotes safe and quality practice through its ongoing requirements for professional growth in the demolition industry.

#### *In sum, pursuing CDS certification will help demolition professionals:*

- Gain the skills and knowledge needed to be a successful demolition supervisor
- Stand out from the competition and advance their careers
- Demonstrate a commitment to safety and environmental stewardship
- Build a professional network and connect with other demolition professionals

The initial exam fee (first-time application only) is US\$595 for NDA members and US\$755 for non-members. Here's the CDS testing and application schedule for 2024:

Test Dates	Application Windows
January 1-31	November 1-30
April 1-30	January 1-February 23
July 1-31	April 1-May 31
October 1-31	July 1-August 31

We hope you will consider sending staff, colleagues, or perhaps yourself to take the exam this fall. The certification will change the face of the US demolition industry, and will soon become a must-have for owners and general contractors when reviewing bids on projects. The certification is another example of why companies need to join the NDA to take advantage of our many benefits, including training and certification.

To learn more about the CDS certification or how to join NDA, please visit our website at [www.nationaldemolition.org](http://www.nationaldemolition.org).

**Jeff Lambert**  
Executive Director

[www.demolitionassociation.org](http://www.demolitionassociation.org)



**ASV celebrated its 40th anniversary during an event featuring tours of the factory, food, and refreshments and various family activities and giveaways.**

### ASV Celebrates 40th Anniversary

ASV celebrated 40 years of innovative product design in June with an open house event at its Grand Rapids, Minn., facility. The event featured a full lineup of legacy and new ASV models, tours of the factory, food and refreshments, and various family activities and giveaways.

"Talk to any of our longtime staff—and there are many—and you'll find that the same passion for the products exists now as it did on day one," said Tate Johnson, president of the Yanmar Compact Equipment North America, which encompasses the ASV brand. "This anniversary and today's continually innovative ASV products are proof that the brand's entrepreneurial spirit lives on."

ASV's drive for innovation has been clear since its founding in 1983. Two forerunners in the early snowmobile industry started the business, developing a pick-up-sized rubber-tracked vehicle called the Track Truck as ASV's first product. The equipment was built for snowmobile trail grooming and was meant for traveling over adverse ground conditions.

It didn't take long for the manufacturer to begin using its experience to develop the first Posi-Track® rubber tracked compact track loader in 1990. The Posi-Track loaders' undercarriages improved quickly, with innovations like a single-rail design, metal-face sealed wheels and internal drive-sprockets. The design provides exceptional traction on soft, wet, slippery, rough, or hilly terrain. The brand grew in size and reputation over the years, becoming known for one-of-a-kind compact equipment products built to handle all sorts of conditions and locations—from residential backyards to rugged forestry work.

[www.asvi.com](http://www.asvi.com)



**ASV's 40th Anniversary celebration included a full lineup of legacy and new ASV models.**

### IACDS Announces 2024 Annual Meeting

The International Association of Concrete Drillers and Sawers (IACDS) will hold its 2024 annual meeting in conjunction with World of Concrete in Las Vegas. The meeting will take place January 24, at the midpoint of the show's three-day run.

As always, the Annual Meeting will reunite the drilling and sawing industry professionals, creating a space defined by collaboration and the exchange of knowledge and ideas. The meeting takes place at 3:00 pm, to be followed at 5:30 pm by a Welcome Reception organized in collaboration with the Concrete Sawing & Drilling Association (CSDA), and a celebratory dinner. IACDS attendees will also be invited to take part in a special leisure program on the last day of the show. More details about the program can be found at [www.iacds.org](http://www.iacds.org).

IACDS participants will be able to enjoy a registration discount for World of Concrete 2024. International visitors are reminded that the U.S. government has instituted new, tighter visa requirements for non-immigrant applicants, which may lengthen the time it takes to process your visa application. World of Concrete offers an Official Letter of Invitation for WOC 2024, which can be submitted along with the visa application to verify the name, dates, location, and visit purpose.

[www.iacds.org](http://www.iacds.org)



**AQUAJET**

## MEET THE NEW AQUA CUTTER 750V

Aqua Cutter 750V is our new "Mean Machine" with breakthrough technology in performance and efficiency. The new patented Infinity system together with the next generation Evolution control system brings out the best possible results from the machine, making you and your new robot an unbeatable team.



WATCH VIDEO >>



Distributed by: **Brokk Inc. | Monroe, WA | 1-360-794-1277 | info@brokkinc.com | www.brokk.com**

## GROOVER & GRINDER

Ideal for the surface treatment of roads  
and airport runways

- + 426 kW / 575 PS + CE certified
- + Grinding shaft speed: 1.315 RPM - 1.900 RPM
- + Grinding width: 127 cm

A cooperation of Diamond Products,  
TYROLIT and LISSMAC.

**LISSMAC**

CONSTRUCTION TECHNOLOGY



Now available in Europe!

LISSMAC Maschinenbau GmbH  
[www.lissmac.com](http://www.lissmac.com)



## Event Calendar

**IDA CONVENTION AND  
DEMTECH TRADESHOW**

September 28-29, 2023  
Bangalore, India  
[www.indiandemolition.org](http://www.indiandemolition.org)  
[www.demtech.in](http://www.demtech.in)

**EXPOCIHAC MEXICO 2023**

October 11-13, 2023  
Centro Citibanamex, Mexico  
City, Mexico  
[www.expocihac.com](http://www.expocihac.com)

**WORLD OF CONCRETE 2024**

January 23-24, 2024  
Las Vegas Convention Center,  
Las Vegas, USA  
[www.worldofconcrete.com](http://www.worldofconcrete.com)

**CANADIAN CONCRETE EXPO 2024**

February 14-15, 2024  
The International Centre  
Toronto, Canada  
[www.canadianconcreteexpo.com](http://www.canadianconcreteexpo.com)

**THE ARA RENTAL SHOW 2024**

February 19-21, 2024  
Ernest N. Memorial  
Convention Center,  
New Orleans, USA  
[www.arashow.org](http://www.arashow.org)

**ISRI 2024**

April 15-18, 2024  
Mandalay Bay Hotel, Casino  
and Convention Center  
Las Vegas, USA  
[www.isri.org](http://www.isri.org)

**GIC EXPO 2024**

April 18-20, 2024  
Piacenza Exhibition Center,  
Piacenza, Italy  
[www.gic-expo.it](http://www.gic-expo.it)

**INTERMAT 2024**

April 24-27, 2024  
Villepinte, Paris Nord,  
France  
[www.intermat.fr](http://www.intermat.fr)

**DEMCON 2024**

September 19-20, 2024  
InfraCity, Stockholm,  
Sweden  
[www.demcon.se](http://www.demcon.se)

**BAUMA CHINA 2024**

November 26-29, 2024  
Shanghai Exhibition Center,  
Shanghai, China  
[www.bauma-china.com](http://www.bauma-china.com)

## Hyundai North America Launches Dedicated Compact Equipment Sales/Support Team

Following the introduction of skid steer and compact track loaders, along with updates across its compact excavator lineup earlier this year at Conexpo, HD Hyundai Construction Equipment North America has announced the formation of a new team dedicated to Hyundai compact equipment sales and support.

Hyundai has hired Jeff Pate as vice president of Compact Equipment Sales. Pate will supervise four new team members, each of whom will be responsible for sales and dealer development in distinct regions covering the US and Canada.

Dale McLemore, an industry veteran with 35 years' experience in compact equipment, is joining the company as senior dealer development and national accounts manager for compact equipment covering the southeastern region. Brian Slavinski brings 12 years of experience to his role as district manager for the northeastern US and eastern Canada, including extensive knowledge of the equipment industry from both the retail and manufacturing side.

Darren Wallace, district manager for the Central region of the U.S. and Canada, also brings a wealth of knowledge to the team, with 20 years of industry experience in sales and dealer development. And finally, Mike Dahls joins the team as district manager for the western US and Canada. Dahls has spent the last two years on the OEM side of the business, following nine years of retail experience working for a successful multi-line construction equipment dealer.

[www.hceamericas.com](http://www.hceamericas.com)



From left: Mike Ross, senior VP; Darren Wallace, district manager, Central region; Mike Dahls, district manager, Western region; Brian Slavinski, district manager, Northeastern U.S. and Eastern Canada; Jeff Pate, VP of compact sales; and Dale McLemore, senior dealer development and national accounts manager.



## Envimat Earns Top Honors Among Sennebogen Dealers in the Americas

Sao Paulo, Brazil-based equipment dealer Envimat was named Sennebogen's top dealer in the Americas, in a presentation made this past April at ISRI's convention and exhibition in Las Vegas. Sharing the podium as top dealers were Alta Equipment Co., based in Livonia, Mich., and Tractor Equipment Company of Birmingham, Ala.

Sennebogen material handlers make up 80% of the sales at Envimat, named for its main areas of interest – the environment and material handling. Owner Vinicius Casselli recalls how many customers in the company's core forestry sector market were unfamiliar with the capabilities of Sennebogen equipment, and kept trying to order machines that were too big for the job, adding unnecessary operating and

maintenance costs while reducing their bottom line. One prospective customer put his apprehensions aside and ordered six Sennebogen material handlers for a job.

"After a few months, when it was time to acquire machines for a new project, they contacted me and placed the order for nine Sennebogen machines," Casselli says proudly, adding that the company's ability to provide technician training in Spanish is a big plus.

"Our techs come back with a thorough understanding of the equipment and how it was designed and how it works," he says. "Sennebogen's trainers are not just 'teachers;' they are technicians themselves. This creates the best possible learning scenario – technicians showing other technicians."

Casselli could also not say enough about the support he and his team get from Sennebogen as they strive to generate new business and, perhaps, repeat as the company's top dealer next year.

"To meet that goal, we are building a team of purpose-built market specialists to work within our scrap, waste, and port industries, and bring them purpose-built solutions," Casselli says. "Our objective is to become a 'mini factory-styled' Sennebogen right here in Brazil."

[www.sennebogen-na.com](http://www.sennebogen-na.com)



# Where Demolition Professionals Build Relationships

The National Demolition Association is your source for success in the demolition industry.

- Industry Networking
- News and Regulatory Updates
- Safety Training
- Best Practices and Standards

**JOIN TODAY!**  
**demolitionassociation.com/  
membership**



business

news

## Chicago Walls Come A'Tumbling Down Thanks to Antraquip

When the Chicago Transit Authority decided to completely remove a 100-year-old concrete embankment wall with close proximity to existing buildings and infrastructure, Antraquip had the attachments to do the job. The embankment wall ranged from approximately 18 in (460mm) to 6 ft wide (1.8m), and as close as 4 in (100mm) to existing structures along several miles. Not only precise removal was needed but also the concern that ground vibration could affect surrounding structures and noise would disrupt the urban neighborhoods needed to be considered. Seismic monitoring stations set up in and around the work area revealed pneumatic hammers produced too much ground vibration. Instead, multiple Antraquip AQ-4 drum cutters were employed to grind the walls into small pieces

of debris that could be easily loaded and trucked off site. Where the walls were the narrowest, Antraquip AQC-180 carbide saws fitted with depth limiters were used to relief cut concrete walls in manageable pieces for removal. Once the walls were laid to the ground, they were broken into smaller pieces that then could be loaded onto trucks headed to the crushers to be recycled. Both the AQ-4s and the AQC-180s dramatically reduced ground vibration to meet the seismic requirements while providing the fastest solution for the job.

[www.antraquip.net](http://www.antraquip.net)



## STIHL, Inc., Announces Executive Transition

STIHL, Inc., senior vice president of sales and marketing Chris Keffer has been promoted to president and CEO. He succeeds Terry Horan, who has been appointed to the company's board of directors. STIHL Inc. is the largest subsidiary in the STIHL Group. It supplies the majority of products sold in the US, and exports to more than 100 markets worldwide.

Because the US is the company's most important market, STIHL Executive Board chair Michael Traub says that the appointments "provide stability and continuity, which are critical to our long-term strategic and operational success. Chris has quickly established himself as an innovator and leader and has a keen understanding of our market and our customers. His experience and expertise will enable the company to lead in all markets in which we choose to compete."

Keffer says that while the construction equipment market still faces short-term challenges, the future is full of opportunities.

"We have the people, products, programs and partners to grow our position as the leading authority in the gas and battery outdoor power equipment markets," he says.

Nikolas Stihl, chairman of the advisory and supervisory boards at the STIHL Group, thanked Horan for building a strong leadership team and establishing "the foundation for significant growth through a demonstrated

commitment to our loyal distribution network and local STIHL dealers, focusing the organization on winning as one team."

[www.stihl.com](http://www.stihl.com)

## JCB Expands Distribution in Texas

JCB recently held a ribbon cutting announcing completion of its newest locally owned and operated dealership facility, South Star JCB—Lewisville, which will expand the dealership's service in the Dallas-Fort Worth (DFW) area.

The 14,000-ft<sup>2</sup> (1,300 m<sup>2</sup>) building is a purpose-built, state-of-the-art facility serves the entire range of JCB construction equipment, from excavators, backhoes, skid steers, and wheel loaders to generators and aerial equipment on its more than four-acre, fully concreted site. The building also houses with workshop bays—including two heavy-line bays—and is supported by a 10-ton shop crane, JCB special tooling, and a fully integrated customer uptime center. To ensure ample availability of parts for customers, South Star JCB has built a 2,000-ft<sup>2</sup> (186 m<sup>2</sup>) parts warehouse with more than \$1 million worth of parts stocked throughout DFW locations.



## Equipment Manufacturers Welcome SC Governor to BOMAG Americas



South Carolina Gov. Henry McMaster speaks during the launch of CONNEX South Carolina at a press conference hosted by BOMAG Americas in Ridgeway, S.C. on July 18, 2023. Photo credit: BOMAG Americas.

BOMAG Americas, in partnership with the Association of Equipment Manufacturers (AEM), recently welcomed South Carolina Governor Henry McMaster to its 140,000 ft<sup>2</sup> (13,000 m<sup>2</sup>) North American headquarters and manufacturing facility in Ridgeway, S.C. The Governor was on hand to launch CONNEX South Carolina, an online manufacturing supply chain solution connecting manufacturer to component suppliers across the state.

A recent AEM survey found that nearly 98 percent of equipment manufacturers were still experiencing supply chain problems, due in part to disruptions caused by the global COVID-19 pandemic. That makes CONNEX South Carolina particularly valuable to the state's equipment manufacturers, which support more than 35,000 jobs, placing it 9th in the nation in terms of total jobs for the industry.

"This 21st century supply chain solution will help address deficiencies and speed up production timelines," said BOMAG Americas president Brian Bieller, President. "Our operations are supported by a global supply chain, but manufacturers must be agile and ready to pivot when facing shipping constraints, workforce shortages, or other delays that impact our component and parts inventory."

Gov. McMaster said the state must provide the industry with the advantages and resources needed to remain competitive.

"With Connex South Carolina, we will be able to provide equipment manufacturing companies like BOMAG Americas with the tools needed to optimize efficiency and ultimately help drive South Carolina's economy to even greater heights," McMaster added.

Kip Eideberg, AEM's senior vice president of government and industry relations,



Brian Bieller, President, BOMAG Americas and South Carolina Gov. Henry McMaster tour BOMAG Americas in Ridgeway, S.C. on July 18, 2023. Photo credit: BOMAG Americas.



Brian Bieller, President, BOMAG Americas (left); South Carolina Gov. Henry McMaster; and Kip Eideberg, AEM's Sr. Vice President, Government and Industry Relations, tour BOMAG Americas in Ridgeway, S.C. on July 18, 2023. Photo credit: BOMAG Americas.

praised efforts to support and strengthen people who build equipment in South Carolina's Lowcountry region. "AEM looks forward to supporting CONNEX South Carolina and Governor McMaster's work to help build a reliable and resilient supply chain that ensures the continued success of equipment manufacturers."

CONNEX South Carolina will be made available to manufacturers through the state Department of Commerce, South Carolina Manufacturers Alliance, and the South Carolina Manufacturing Extension Partnership.

## Yanmar Expands Minnesota Manufacturing Facility



The expansion will include a new powder paint system and go hand in hand with hundreds of new jobs over the next several years and an increase in manufacturing capacity.

Yanmar Compact Equipment North America recently broke ground on a 32,000-ft<sup>2</sup> (2,973m<sup>3</sup>) expansion to its facility in Grand Rapids, Minn. The expansion will greatly increase manufacturing capacity and allow for Yanmar compact track loaders to be manufactured alongside ASV compact track loaders.

"We've talked a lot about expansion plans over the past year to our customers, dealers and those we visited with at Conexpo, so it is thrilling to break ground and see those plans come to fruition," Tate Johnson, president of Yanmar CE North America, told the ceremony's 500 attendees. "This project is ultimately about better serving our customers, both through expanded manufacturing capabilities and increased staffing to make sure their needs are met."

The expansion will allow for the man-

ufacturing of Yanmar's recently announced compact track loaders while continuing to manufacture ASV compact track loaders at the same facility. Additionally, company executives project the addition of hundreds of jobs over the next five years. The new section will house a paint system that will increase paint capacity by up to three times. It will also boost parts manufacturing capacity by up to two times in the previously occupied space. The new powder paint system will be more efficient and have less environmental impact. The Minnesota Trade Office selected Yanmar CE North America as a recipient of the 2022 Governor's International Trade Award in the Large Company category as a result of the expansion project, which is expected to be completed in Spring 2024.

[www.YanmarCE.com](http://www.YanmarCE.com)

## Marcus Benn Appointed Senior Sales Director for EMEA and APAC

MPP Global is pleased to announce the appointment of Marcus Benn as sr. sales director for EMEA and APAC.

Benn will be responsible for sales in global regions outside of the Americas. He will lead the EMEA and APAC sales teams, development, and dealer growth for all MPP Global brands including Lippmann, McCloskey International, TESAB, MSW Equipment, and McCloskey Environmental.

Benn joins the MPP Global team with more than 25 years' experience in the global aggregate and mining business, notably in Australia, Asia Pacific, Africa, Canada, and the U.S. Throughout his career he held various sales leadership roles with another materials processing industry leader, most recently heading sales development for all of North America.

"The experience that Marcus brings



with him is invaluable as MPP Global businesses are focused on aggressive growth in the coming years," says Kevin Kiesgen, MPP Global's vice president of sales and marketing. "His knowledge of the global materials markets and experience leading international teams are key."

Benn succeeds Dean Lownds, who has taken on new responsibilities as global customer service and marketing director.

"I am excited to be joining MPP Global, and look forward to working with the customers and dealers for all of the associated product brands," says Benn, who will be based in the United Kingdom.

## Montabert USA Opens Expanded Rebuild and Distribution Facility

Montabert USA has added remanufacturing and repair capabilities to its 50,000-ft<sup>2</sup> (m<sup>2</sup>) distribution facility in Nashville, Ill., is pleased to announce the grand opening of its expanded Distribution and Rebuild Facility. Officially set to open in September, the expanded facility will allow in-house repair and other services for Montabert's North American operations.

Prior to the Nashville facility expansion, rebuilds and repairs of Montabert breakers in the United States were handled in a partner facility in Tennessee. Relocating this work to the Montabert Distribution and Rebuild Facility provides several benefits that enhance the company's factory-certified rebuild program. The expansion contains a 10-ton crane, service pit with lift table, and a hydraulic power unit for breaker testing prior to shipping.

"We now have the capability of lowering breakers up to 15,000 lbs [kg] into a pit for safe extraction of power cells and to perform inspections and maintenance," says Amanda Carpenter, Sales Office, Warehouse and Distribution Manager for Montabert USA "We have also added a factory-trained breaker technician who is dedicated to working on Montabert equipment. The in-house rebuild center offers more visibility into scheduling, allowing accuracy of quoting and timely completion of customer rebuilds."

Aaron Scarfia, General Manager for Montabert USA, adds that with the addition of a rebuild and repair center strategically located within the company's existing US distribution facility, "we are now taking our already industry-leading product support capabilities to the next level. This expansion will enable us to more efficiently support our customers with preventative maintenance of their Montabert products, protecting their investments into the future."

Scarfia explains that current capabilities for the facility include in-house rebuilds of Montabert's complete line of hydraulic breakers. In the future, the company will also offer rebuilds for Montabert drifters and its Silent Demolition line of equipment.

Future plans for the facility include adding an industrial parts washer, paint booth, and a second lift table.



## Yanmar Announces North America 2022 Dealer of the Year Award Winners

Yanmar Compact Equipment recognized three 2022 Dealer of the Year Award winners at its 2023 Dealer Meeting. Vermeer Midwest received the Large Market award, Chattanooga Tractor & Equipment was the Medium Market winner, and Hawkins-Graves won the Small Market category.

Vermeer Midwest has shown strong loyalty to the Yanmar brand for more than 15 years as they've served Illinois, Indiana, Michigan, and Missouri. They have worked hard to share the benefits of Yanmar equipment and have maintained solid customer relationships, even in challenging market conditions.

Chattanooga Tractor & Equipment has been a top performer for Yanmar CE since 2015. The company believes in long-term relationships and taking care of the customer by providing top-quality equipment combined with outstanding parts and service.

Virginia-based Hawkins-Graves is a full-service construction equipment, sales, rental and service organization providing compact and heavy equipment to the market. Recognized by their customers, peers and suppliers as market leaders, Hawkins-Graves provides top value standards in all areas of operation.

[www.YanmarCE.com](http://www.YanmarCE.com)



Vermeer Midwest wins Yanmar CE's Large Market 2022 Dealer of the Year Award.



Hawkins-Graves wins Yanmar CE's Small Market 2022 Dealer of the Year Award.



Chattanooga Tractor & Equipment wins Yanmar CE's Medium Market 2022 Dealer of the Year Award.

**THE BIGGEST EUROPEAN EXHIBITION & CONFERENCE SPECIFICALLY DEDICATED TO THE CONCRETE AND MASONRY INDUSTRIES**

# ARRIVEDERCI AL SEE YOU AT

5<sup>th</sup> Edition



## 18-20 April 2024 Piacenza Italy



[www.icta.it](http://www.icta.it)



[www.idrawards.it](http://www.idrawards.it)



For info and stand bookings  
Ph. +39 010 5704948  
[info@gic-expo.it](mailto:info@gic-expo.it)



# [www.gic-expo.it](http://www.gic-expo.it)

# MB CRUSHER MAKES

**After Italian construction equipment manufacturer MB S.p.A. introduced the first hydraulic jaw crusher bucket for excavators in 2001, it didn't take long for the new brand MB Crusher to spread worldwide, as well in the US.**

Gaining a foothold in the lucrative US market was a key element of that growth strategy, leading to the



establishment of Reno, Nev.-based MB America subsidiary in 2010. MB Crusher's growing range of attachments and accessories can now be found at jobsites in all 50 states, and the company has become a fixture at Conexpo and World of Concrete. In January of last year, the company opened a second fully-staffed sales, service, warehouse and demonstration facility in Kenersville, NC to better serve East Coast customers.

## **"Challenging is the Word"**

Regan Whitfield, who was named MB America CEO in January 2021, recently shared her perspectives on how the company has found its place in the US construction market, challenges and opportunities common to all equipment manufacturers, and her unique standing as a female top executive in a gradually diversifying industry.

**What have the last few years been like for MB America? Obviously, everyone in the industry has faced some challenges with the pandemic, economy, labor and supply chain, etc. What have you all dealt with, and what's been instrumental in helping MB America weather them?**

We've seen an important growth curve for MB Crusher in the past few years, but of course we were also affected by the challenges brought on by the pandemic. Just to name a few, labor and shipping issues were the most prevalent. MB Crusher was able to face these obstacles by investing more in manpower and expanding our facilities to increase stateside storage. MB Crusher also took this time to invest in the release of new attachments that cater to those that own compact equipment.

**What has been key to making inroads in what is a very crowded North American market for the types of products you produce?**

We know how much downtime costs and how efficiency can make the difference when bidding for new job, and finishing a project within the required timeline while remaining in budget. We have a large selection of tools that fit all sizes and brands of heavy equipment, and all of these units are meant to be serviced directly on the jobsite directly by the operator. In addition, both MB America locations have a service



department with full inventory of parts. Our service team is always ready to assist our many customers with their equipment.

**How has the opening of your new branch in North Carolina helped raise MB Americas' profile and broaden its reach?**

The new location has been essential to consolidate our reach and support our existing clientele on the east coast. Our team in North Carolina has been also expanding brand awareness and visibility by offering demos at our location to show off what our material processing units do best.

**Is there a particular "flagship" product that you feel represents MB's product philosophy and how you address customers' needs? How so?**

MB Crusher has five different types of attachment, and 42 different models—a big mar-

**Regan Whitfield, CEO MB America since January 2021,**

# S IT BIG IN AMERICA



ket expansion since starting out with the BF90 Crusher bucket just over 20 years ago! We also offer a large selection of attachments for skid steer and loaders to better serve the US market.

## The new MB-HDS220 Padding Bucket Introduced at Conexpo

Where do I begin! It's compact, easy to use, and fits loaders and skid steers between 9,900 lb and 24,000 lb. Its design allows for excellent visibility of the material it is processing and the overall site, from the operator's cabin. The bucket's opening easily conveys the material to the shafts. And at 40 inches wide, it covers the width of the skid or loader tracks, keeping them protected from the material.

**Speaking of Conexpo, how did the show go for MB America overall? What was your takeaway regarding the current state of the**

## North American construction market, and where it's headed?

We had a very successful Conexpo, demonstrating five different units on three different machines. A lot of our current customers and new ones came by our booth, and were excited for the new release and Conexpo as a whole.

It's clear that the North American construction industry is on a growth trend, and companies are looking for the right tool to boost efficiency and production on the job. Contractors are experiencing an increase in demand, but are still facing the remnants of the prior years: workplace and supply chain challenges. With MB Crusher they are finding a solution to both. With two fully-stocked US warehouses and continued supply from our production facility in Italy, we provide the tools that require fewer people on the job while keeping up with the overall



production, by creating the necessary material from the C&D waste found on site. Overall, the feedback we received during the show was a positive outlook of growth for the North American construction industry, particularly those with government funding.

## **What emerging industry trends are you watching, and how do you feel they might affect customer needs and MB's approach?**

MB Crusher as a company is closely following the green building trend. After all, our motto is "Reduce, Reuse, Recycle." So you can understand why MB Crusher is heavily invested in environmentally sustainable construction methods. With any of our attachments or, even better, a combination of different models, companies are able to process waste directly on the job site to make reusable material for the next project. This doesn't only reduce material costs for the company but also eliminates the need to haul material to and from the jobsite, significantly cutting CO2 emissions.

## **With MB since 2017**

Let's talk about yourself for a moment. Women in leadership positions are something of a rarity in this industry.

## **How did you get started with MB Crusher? And did you know anything about construction/demolition before you got started?**

I joined MB Crusher in May of 2017 as the MB America branch assistant working from the headquarters office in Fara Vicentino, Italy. I honestly didn't have any knowledge of the construction/demolition industry, but I was really eager to learn and put myself to the test. As a bilingual, dual American/Italian citizen living most of my life in northern Italy, I met most of the requirements for the job, which were to speak English and be local. I immediately fell in love with MB Crusher as a company. Its large presence in such a remote area, with a diverse and inclusive culture, and an impressive product line that is great for the environment. These were just a few of the reasons why I was and I am still proud to be part of MB Crusher.

I recognize that mine is an odd career path but thanks to my hard work, curiosity, and background in business administration, in just a few years I was asked to move to Reno as the sales director, and then promoted to my current role as MB America CEO. In this position I've had the opportunity to see firsthand the American contractor's resilience post-pandemic, which motivated all of us here in MB Crusher to make sure we were a reliable source of solutions and tools for their upcoming jobs.

## **As you've progressed in your career, what lessons or experiences have proven particularly valuable in both your professional growth, and MB's ability to serve its customers? Did MB's corporate culture play a role as well?**

MB's corporate culture definitely played a big part in both my professional growth and MB's ability to serve its customers. The company owners, the Azzolin family, have more than 60 years' experience in the construction industry, so we have an intrinsic understanding of the problems and needs contractors



face each day while operating their machinery on site. We are taught to listen to their process and use the feedback we receive from our current customers to guide them towards a solution that can benefit their business. With MB we are all equally given the tools to be successful, growth is available and feels achievable. This knowledge motivated me to pursue this career.

## **What's next for MB America for the rest of 2023 and beyond?**

We are expecting exceptional growth for MB America. By continuing to offer quality products backed up by great customer service, the MB Crusher line of products are finding their place on

most construction sites. A great example of the level of outreach we have with our customers is the continued release of new products. During SaMoTer 2023 [Italy's triennial construction equipment show] at the beginning of May, MB Crusher released five new models of Padding buckets and Sorting Grapples, to complete the machine weight range most commonly used by our customers. Finally, I want to stress that MB Crusher really believes in customer feedback to improve not only our tried-and-true products, but also to develop the next tool that will be essential for their upcoming project. As always stay tuned, we always have something new up our sleeve.

[www.mbcruiser.com](http://www.mbcruiser.com)





ISO 9001:2008  
DIN EN ISO  
14001:2009  
Management  
System  
www.tuv.com  
ID 0091004797



**COLLABORATION**

**PROFESSIONAL X ORIGINAL**

**10 SERIES**

**SHINHAN**



**ARIX**

**ARIX**



**SHINHAN  
DIAMOND**

Masterpiece  
beyond Technology

**HEAD OFFICE (Republic Of Korea)**

21635, [36B-10L, Namdong Induspark] 375 Namdongdong-ro, Namdong-gu, Incheon,  
Republic of Korea

T. +82-1600-4804 | F. +82-32-3414 | [en.shinhandia.co.kr](http://en.shinhandia.co.kr)



[www.arixshinhan.com](http://www.arixshinhan.com)



The all-rounders of the DC All series from Tyrolit cut almost any material effortlessly.

The Rescue blade in large diameters is ideal for the use by firefighters and rescue workers, and is a highly safe option due to shot-peened slot bases

# New DC All Saw Blades From Tyrolit

Whether non-ferrous metals, greasy materials such as rubber or even steel and concrete, the all-rounders of the DC All series from Tyrolit are said to cut almost all materials, whatever the application. This means users are able to complete several tasks with just one DC All disc, eliminating the need for inconvenient tool changes and increasing productivity.

The new range of DC All discs ranges from small diameters in "Fast-cut" design to large "Rescue" versions, which come in diameters of up to 15.8 in (400mm), and are ideal for rescue or firefighting operations. The latter also come with shot-peened slot bases for even more safety, as the densified material in the slot base prevents cracking and wear.



## General Equipment Company's M-Series Surface Grinder Line Designed for Magnetach Tooling System

Featuring a convenient, versatile magnetic tooling system, General Equipment Company's M-Series surface grinders are designed for use by both contractors and homeowners alike. These low-speed surface grinders are compatible with a wide range of industry-standard magnetic type attachments, including those in General's MAGNETACH® Tooling System or attachments utilizing the Lavina®/EDCO® magnetic mount tooling.

The M-Series line includes five different single- and dual-head grinders: the single-head, electric-driven SG12EM (1.5-hp/1.1-kW, 115 VAC, 60 Hz); the dual-head, electric-driven SG24EM (2-hp/1.5-kW, 115/230 VAC, 60 Hz); the dual-head, electric-driven SG24E3HP50M (2.5-hp/1.8-kW, 220 VAC, 50 Hz); the dual-head, electric-driven SG24E3HP60M (3.0-hp/2.2-

kW, 230 VAC, 60 Hz); and the dual-head, gas-powered SG24GHM (13-hp/9.6-kW Honda GXV370 4-stroke engine).

All M-Series models offer the same reliable performance and extreme durability of General's long-established line of Legacy Series grinders, but use magnetic retention for quickly and easily switching attachments, instead of the traditional wedge system.

Compatible attachments include a PCD and tungsten carbide coatings removal systems, and a diamond segment diamond grinding system. These attachments make the grinders ideal for a wide variety of surface preparation projects, including grinding concrete (green to fully cured) and removing various thin-film coatings, epoxies, thin-to-medium glues, mastics, urethanes, concrete levelers, and paint.

[www.generalequip.com](http://www.generalequip.com)

Read PDa Magazine online and stay updated constantly:

[www.pdamerica.com](http://www.pdamerica.com)

# DEVELON Launches New Generation DX27Z-7M Mini-Excavator for Brazil

DEVELON (formerly known as Doosan Construction Equipment) has launched the new DX27Z-7M 2.8t Stage V compliant mini-excavator for the Brazilian market. This model provides a larger working range with higher lifting capacities and digging forces, as well as the latest version 3.0 of the DEVELON Fleet Management system as standard equipment.

Featuring the new shared global styling for next-generation DEVELON mini-excavators, the DX27Z-7M's novel platform design and new upper structure provide increased durability and robustness, while a zero tail swing design is ideal for work in confined spaces.

The DX27Z-7M is powered by the DEVELON DN1.7 Stage V compliant diesel engine providing 24.7-hp (18.4kW) of power at 2,400 RPM. As a result, the new mini-excavator offers the highest power and torque in its class and covers a wide range of applications including heavy-duty work.

The DX27Z-7M also offers a high auxiliary flow of 20.3 gpm (76.8 lpm) to enhance work with attachments. Newly designed cast counterweights ensure excellent machine balance and stability when working. A long arm option is available with a 220-lb (100kg) additional counterweight.

The boom swing angle and swing radius are better than or equal to other machines in this class. Visibility and workability are improved by increasing the bucket protrusion distance beyond the tracks. Placing the boom swing cylinder on the left-hand side of cab

allows the operator to work right up against walls and other structures on the right-hand side of the machine. The fuel tank and boom swing cylinder have been positioned at the base of the cab, with the Main Control Valve now on the right side of the machine.

## New Dozer Blade and Dozer Lever

The DX27Z-7M mini-excavator incorporates a new dozer blade providing both a higher dozer lifting height and dozer digging depth than other machines on the market. Using the new dozer control lever, the operator can select between low and high speed for the levelling blade hydraulics. Travel speed can also be selected by using the travel selector button on the dozer lever. When hydraulic oil pressure rises due to going up a slope while in the high-speed mode, the travel speed auto-shift valve automatically resets the travel speed to low to enhance the operator's driving convenience and to reduce machine stress.

As well as offering the best performance, versatility, durability and ease of maintenance in the 2t range, the DX27Z-7M mini-excavator features a new larger, roomier cab, providing excellent operator comfort and controllability. The enhanced heating and AC system is the best on the market, providing more nozzles to direct warming and cooling air, including both front and rear pillar nozzles that together help to improve the system performance. Larger nozzles are also used to ensure direct and sufficient airflow for operators and manual adjustment of the opening/closing of the nozzles is also possible.

In the DX27Z-7M mini-excavator, a new EPPR valve is incorporated for two-way and optional rotating functions, that provides the operator with 10-step proportional control of the hydraulic flow rate via the thumbwheel joystick.



# airtec®

## TOUGH STUFF +

Surface Preparation Systems

### Grinding



### Milling



### Removing



AIRTEC Ltd. - Industriestrasse 40  
CH-4455 Zunzgen / Switzerland



# Wall and Wire Saw Updates

**PDA's Andrei Bushmarin reports on the latest innovations in the wall and wire sawing sector.**

## **Eurodima wire sawing system excels**

A Paris-based contractor was faced with the challenge of demolishing 38 reinforced concrete columns with an average cutting area of 57 ft (5.3m<sup>2</sup>). To accomplish this task, the company chose a wire sawing system from the Austrian manufacturer Eurodima. With a 31-hp (23kW) power rate and a mighty torque, the Eurodima system proved to be an ideal solution.

Combined with a high-quality diamond wire, even the toughest column was cut down with ease. The high-performance motorisation enabled fast and efficient cuts, thus significantly reducing the overall working time.



Another highlight of the Eurodima wire saw is its maintenance free pneumatic unit. This innovative technology ensured optimal wire tension throughout the cutting process. Thanks to the reliable tension, the cuts remained precise and uniform, without the need for additional adjustments. Apart from the technical capabilities, the system also impressed the user with its user friendliness, resulting in the successful and timely completion of the building's renovation.

[www.eurodima.com](http://www.eurodima.com)

## **New feature on Pentruder wall saw**

Since its launch in spring 2021, Pentruder's RS2 compact wall saw has found many satisfied owners who, according to the Pentruder's distributors, appreciate both the saw's low weight and high performance. Last autumn, the Swedish manufacturer introduced a new "cutting depth indication" feature.

"All Pentruder machines are continuously updat-





vides added operator safety and control, increasing productivity on the jobsite. The DSW 2005-TS wire conversion kit easily transforms the DST 20-CA wall saw into a portable wire saw. For small to medium-sized wire sawing projects, Hilti recommends using the DSW 2005-TS wire conversion kit with the DST 20-CA wall saw.

[www.hilti.com](http://www.hilti.com)

ed to make everyday life of a concrete cutter easier and provide extra value says Kristoffer Johnsen at Tractive AB, a family business, which is behind the development and manufacture of all Pentruder equipment. "The first version of a machine must always be able to be updated to the latest one. We think this is real sustainability."

[www.pentruder.com](http://www.pentruder.com)

### Hilti offers cutting confidence

Hilti's DSW 1510-CA wire saw is designed to deliver optimal cutting productivity for heavy duty applications. Operated via a wireless remote control, the DSW 1510-CA pro-



# Aquajet Introduces Versatility-Expanding Accessories for Aqua Cutter 750V



**The Hybrid Kit 3.0 easily attaches to the 750V and uses an intelligent system to automatically disengage the onboard diesel engine and convert to electric power.**

Aquajet has introduced an Extension Kit, Rotolance, and Hybrid Kit optimized for the Aqua Cutter 750V. The Extension Kit increases the 750V's reach for applications, such as bridges, berths, piers, and wastewater plants, while the Rotolance excels at surface preparation on steel bridges, roadways, pipes, tunnels, and other surfaces. The Hybrid Kit 3.0 converts the diesel-powered 750V to electric when diesel can't be used due to noise or emission requirements.

The Extension Kit can be configured several ways with an elbow and beams, allowing the operator to perform hydrodemolition in awkward, hard-to-reach areas. During a bridge repair, for example, the Extension Kit allows the 750V to work from the bridge deck and reach over the barrier without having to remove it. The beams extend to the side over the railing and downward at a 90-degree angle. Then, the elbow reaches underneath the bridge at a 90-degree angle and points the cutting head upward underneath the deck. The accessory expands the 750V's reach by just over 3 ft (1m) to the sides and up to 6.5 ft (2m) vertically.

In addition to the versatility and efficiency gains, the Extension Kit improves operator safety by eliminating labor-intensive alternatives, such as using hand tools to remove concrete from difficult-to-reach spots.

The Rotolance attachment is a powerful surface preparation tool. Contractors can utilize the Rotolance to remove concrete, rubber coatings, paint, rust, plastic, and other materials. The accessory brings this versatility to several different applications, including steel bridge coating removal, roadway surface preparation, deck epoxy removal, pipe coating removal and more. While the 750V is often used for deeper sections of concrete, the Rotolance serves as a light-removal alternative. This method avoids sand blasting, eliminating dust pollution.

The Rotolance for the 750V comes in two versions — the 1000 and 2500, each with a working diameter of 13.7 ft (4.1m). The 1000 achieves a maximum water pressure of

14,500 psi (1,000 bar) that leaves a good bonding surface when cleaning or removing hard paint, rust and rubber coatings. The 2500's maximum water pressure is 36,300 psi (2,500 bar) that quickly and precisely removes a shallow layer of concrete.

The Hybrid Kit 3.0 easily attaches to the 750V and uses an intelligent system to automatically disengage the onboard diesel engine and convert to electric power. This brings the 750V's capabilities to applications where diesel engines may not be allowed, such as parking garages or inside buildings. The Hybrid Kit 3.0 can be installed without any tools as operators simply snap it onto the back of the robot,



**The Rotolance attachment is a powerful surface preparation tool. Contractors can utilize the Rotolance to remove concrete, rubber coatings, paint, rust, plastic, and other materials.**

connect the hoses and it's ready to go. The Hybrid Kit 3.0 also features a built-in charger that powers the battery while the robot is working. Once connected, the 750V can run on either diesel or electric, making it a versatile, environmentally friendly machine.

[www.aquajet.se](http://www.aquajet.se)

**Below: The Extension Kit can be configured several ways with an elbow and beams, allowing the operator to perform hydrodemolition in hard-to-reach areas.**



# ZENESIS

WORLD'S MOST ADVANCED  
PATTERNED DIAMOND TECHNOLOGY

DESIGN  
YOUR OWN  
PERFORMANCE

□ DYNAMIC □ COMFORT



EHWA DIAMOND IND.CO.LTD. [www.ehwadia.com](http://www.ehwadia.com) | [salesinfo@ehwadia.co.kr](mailto:salesinfo@ehwadia.co.kr) | Tel 82 31 370 9300 Fax 82 31 370 9191



## Demolition and Reconstruction: The Future with MB Crusher Buckets

MB Crusher attachment will aid companies in a sustainable job site. Construction is an industry that has a significant impact on the environment. It consumes natural resources, produces waste, and generates pollution. With the increasing demand for infrastructure and housing, construction activities worldwide are on the rise. However, there is a growing concern about sustainability, and efforts are being made to reduce the environmental impact of construction. One way to address the sustainability issue is by recycling debris using the MB jaw crusher bucket. In this way, waste is transformed into usable products.

The MB crusher bucket is an attachment that allows heavy machinery to crush and recycle concrete and other construction debris on-site. When a building or structure is demolished, the rubble and debris are often transported to a landfill, which can contribute to waste and pollution. However, by using a crusher bucket, the debris can be crushed and recycled into new reusable materials.

This is exactly what one MB client in Ukraine did. He installed a BF80.3 S4 on a JCB 220 excavator to crush demolition debris into road base material and aggregates. Before using the MB unit, they used to bring material to the landfill. Now, they have a product that can be used to fill gravel road holes on future projects and sell extra recycled aggregate.

Another MB customer the Czech Republic added an MB-L160 model of the jaw crusher to create their own compact and versatile recycling center. They crush the waste and also debris that others are bringing in, creating a new revenue stream.

The versatility of MB Crusher tools means that they can be used on a wide range of demolition and construction projects, from small-scale residential work to large-scale infrastructure projects. In Slovakia, the concrete yard was taken up and crushed down to create the subbase for the new layer, all done at the site with the JCB 3CX loader and the MB-L160 crusher bucket. The old cement did not leave the site and became a resource instead of waste.

Due to low noise and versatility the MB Crusher buckets are designed to work in urban areas so in Spain a BF60.1 was mounted on a Volvo EW160C to reduce the demolition rubble. The use of crusher buckets for recycling construction debris is an innovative and sustainable method of demolition and reconstruction. By reducing waste, conserving resources, and cutting costs, MB Crusher units have the potential to significantly reduce the environmental impact of construction activities worldwide.

[www.mbc crusher.com](http://www.mbc crusher.com)



## Pettibone Cary-Lift 204i with Scrap Baler



The Pettibone Cary-Lift 204i rough terrain forklift can be equipped with a scrap baler attachment for handling debris and materials in demolition and recycling applications. The machine is purpose-built to deliver numerous safety and performance benefits over other material handling alternatives.

The Cary-Lift 204i features a unique overhead lift arm design, giving the operator full front visibility when lifting or transporting loads—a sharp contrast to the lift arms on wheel loaders typically located directly in front of the vehicle. Additionally, Cary-Lift forks are capable of tilting down 90 degrees for specialized lifting tasks.

The 204i is powered by a 200-hp (149kW) Cummins QSB6.7 Tier 4 diesel engine with DOC and SCR after-treatment. The unit includes an engine-driven fan, cooling package, and engine block heater as standard equipment. The machine provides a maximum load capacity of 20,000 lb (9,071kg) and max lift height of 16 ft (4.9m). Offering

4-wheel drive with 2-wheel, 4-wheel, and crab hydraulic power steering modes—and with the wheelbase limited to just 12 ft (3.7m)—the 204i can achieve a turning radius of 21.5 ft (6.5m).

Unlike forward-reaching articulated loaders, the Cary-Lift's heavy-duty, solid steel frame design allows it to take full loads into sharp turns without sacrificing load capacity or stability. Hydraulic frame sway control and side shift capabilities further stabilize loads by leveling the lifting frame when driving on uneven ground. The sway cylinder moves 7 degrees both right and left of center. Dual joysticks provide intuitive controls to efficiently shift gears and control the hydraulics.

A standard feature for the Cary-Lift 204i is X-Command®, a Pettibone telematics program that offers real-time access to machine data, thereby saving time, money and hassle for equipment owners and maintenance technicians.

[www.gopettibone.com](http://www.gopettibone.com)

## Hyundai Names Pillar Equipment to Serve Quad Cities and Northwest Illinois

HD Hyundai Construction Equipment-North America has added of Pillar Equipment to its North American network of authorized dealerships.

Based in Silvis, Ill, Pillar Equipment will represent the full line of Hyundai Construction Equipment products in Rock Island, Henry, Whiteside, and Mercer Counties in the Quad Cities region of northwest Illinois.

As a Hyundai dealership, Pillar Equipment is better positioned to compete successfully in several industry segments, including barge unloading, mining, and heavy earth moving. Since its founding in 2014, the company has grown quickly by successfully serving customers in general construction, agriculture, tree care, public works, and commercial landscaping markets. Pillar's most recent expansion was the addition of a 8,000-ft<sup>2</sup> (743m<sup>2</sup>) service facility.

Jason Wentland, owner and founder of Pillar Equipment, poses with a Hyundai HL940A wheel loader outside his dealership in Silvis, Ill. Pillar Equipment recently joined the North American dealer network of Hyundai Construction Equipment Americas.



# Goldhofer



**VISIT US AT BREAKBULK AMERICAS!**  
SEPTEMBER 26-28 2023 | HOUSTON | BOOTH L22



# Meet Dynaset's New CEO Anni Karppinen

**Anni Karppinen has worked at Dynaset since 2008, but didn't think she would make a career there, much less be promoted to CEO.**

"As a fun fact, I originally started my career at Dynaset by assembling welding generators, just like my father, Reijo," Karppinen says. "Still, it wasn't my intention to create a career here. I thought that this was too 'engineering' for me."

Indeed, during an internship as a sales Karppinen regularly visited Dynaset's Technical Director's office to ask questions about technology. It didn't take her long to decide that perhaps she'd found a place to build

a career after all. "Our team and customers were the primary motivators that made me stay at Dynaset," Karppinen says. "They have given me many exciting challenges to overcome and opportunities to try and learn new things."

## **Started with PR and Sales**

As time went by, Karppinen's responsibilities expanded to event planning and acting as a technical salesperson at trade shows in Finland—hardly an easy task given the nature of the male-dominated industry at the time. Thankfully, foreign expos and customers were a different story what came to the appreciation of her know-how. She also earned an MBA in International Business, providing valuable expertise as the company sought to expand its sales to the regions. In 2012, Annie became Dynaset's Sales Manager, a role for which she was essentially "nominated" for by the company's sales team. She became executive vice president in 2018 and, four years later, mother to a daughter.

"I was surprised by how much the change in position changed my daily tasks and attitudes toward me – even though most of these recurring tasks had

**Trade shows and other events are still important to Anni Karppinen. Back in 2022, she visited Bauma 2022 expo with her daughter. During the show, she met Dynaset dealers, including Abhay Kaskebar from DCS Techno Services.**



## CEO



**Dynaset got a new CEO at the beginning of 2023 when Anni Karppinen started leading Dynaset. "Our team and customers were the primary motivators that made me stay at Dynaset," she says.**

been in my schedule before the new job," she says. "I'm grateful for how well our team has supported the change and me. The support has been essential to combine motherhood and management positions. In my current position, I get to be involved in many interesting things, which cut through all of our operations at Dynaset, and all aim to satisfy customers."

Karppinen believes trust, clear goals, and vision will help the team grow.

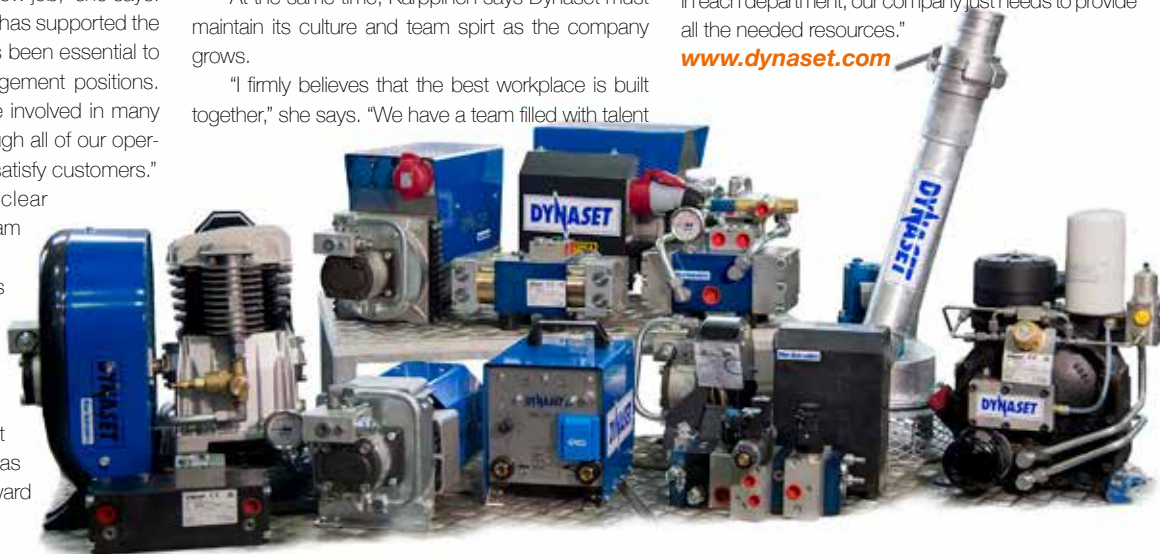
"We have excellent values and a fantastic team and want to be developing in the long run," she says. "Each Dynaset team member is essential and valuable to us. I provide support to each team member as much as needed ensuring our journey toward our vision."

At the same time, Karppinen says Dynaset must maintain its culture and team spirit as the company grows.

"I firmly believe that the best workplace is built together," she says. "We have a team filled with talent

in each department, our company just needs to provide all the needed resources."

[www.dynaset.com](http://www.dynaset.com)



# What's New With Mini c

**After a string of construction trade shows, many new models have hit the market.**

**Here's a summary of the manufacturers' information about the recent introductions.**

## **Two compact excavators from Volvo CE**

Volvo Construction Equipment has started deliveries of two compact excavators, the ECR18 Electric and EC18 Electric, in selected markets. These innovations are the next step in Volvo CE's ambition to reach net zero value chain greenhouse gas emissions by 2040 – alongside development of hydrogen fuel cell solutions and more sustainable internal combustion engine products – and is part of Volvo Group's target to have at least 35% of its total range of vehicles fully electric by 2030.

The 1.8t ECR18 Electric is set to provide the same stability and operator experience from its diesel counterpart but with low noise, low vibration and more responsive hydraulics. Delivering an anticipated four hours of work per charge, depending on the environment and task in hand, it also benefits from an ultra-short tail radius. The EC18 Electric offers customers a compact excavator working in 1.8t applications. Its variable

undercarriage retracts to less than 1m and expands up to 4.4 ft (1.35m), while the design ensures the right frame corner, swing post and cylinder stay within the tracks' width.

Both machines come with an on-board charger allowing them to charge from 0 to 100% in under six hours, according to Volvo CE. With an optional off-board charger, the machines will charge up to 80% in up to 1.25 hours. An Electric Machine Management Application, designed for the remote monitoring of electric machines, provides insights into battery level, remaining working hours, geographic location, and other data.

## **Electric wheel excavator loader from Mecalac**

Mecalac has started the delivery of the e12 100% electric wheel excavator loaders. With the e12, the company addresses the demand for environmentally friendly equipment. This machine is part of a complete zero-emission Mecalac ecosystem, including a 1000l swing loader and a 6t dumper, which will be available soon.

The articulated architecture of the diesel 12MTX excavator makes it the natural forerunner of the electric version; the rear hood for the engine now houses a high-capacity lithium nickel-manganese-cobalt battery technology. According to Mecalac, the e12 is the first 11t fully electric excavator to date, and

the charging duration is 8h through a standard T2 socket or a



5-pole industrial type-plug. Its 100% electric transmission offers force as soon as the machine starts and energy regeneration when breaking. With a full 360° swing diameter of only 8.8 ft (2.7m), a 7.4-ft (2.25m) turning radius at wheels, and a 140° boom tilt angle, the e12 only needs one road lane in urban areas to carry out its work.

## **New 6t Stage V mini excavators launched by Develon**

Develon's DX62R-7 and DX63-7 6t Stage V mini excavators are powered by the D24 Stage V compliant diesel engine providing 59.4 hp (44.3kW) of power, and a 7% decrease in engine fuel consumption. The machines utilize a load sensing system based around a new main control valve resulting in a longer spool stroke for improved controllability and working efficiency/performance compared to the previous models they replace. Using the dozer lever, the user can select between low and high speed for the levelling blade hydraulics. The models feature a two-part hood, and have the latest Develon Fleet Management TMS 3.0 Cellular system as standard. Key cab features include a heating and air conditioning system, DAB radio, and air suspension seat with heating. Develon also launched the DX85R-7 8t mini excavator. The



# and Compact Excavators



roomy and features a full glass entry door. The model offers a 5-in (127mm) increase in the tumbler length, a redesigned undercarriage, and an expanded rear swing radius. Dozer improvements have increased the jack up height, digging depth and lift angle. The model features a 1.45t cast counterweight and the Develon Fleet Management system.

## New 8t E88 excavator extends Bobcat R2-Series range

Bobcat launches the E88 8t Stage V model, which features a D24 Stage V 4-cylinder engine that offers a maximum power output of 65 hp (48.5kW). The model features rear visibility and a downward sloping right hand cover that does not restrict the view to the side. Other features include demisting with adjustable heating vents in front; large heating vents in the rear; and front and boom LED lights.

The E88 is available with Standard Arm and Long Arm configurations. Up to five arm-mounted hydraulic auxiliary lines and Bobcat's Advanced Selectable Auxiliary Control technology enable customizations. The maximum width is 7.2 ft (2.2m) and the overall



bucket digging force is 6.7t, while the traction force is 6.6t. The model is powered by a D24 Stage V compliant diesel engine providing 65 hp (48.5kW) of power. With a height to the top of the cab of more than 8.5 ft (2.6m) and a width of 7.4 ft (2.25m), the cab is





height is 8.3 ft (2.54m). Bobcat also introduces the 2t mini excavator E19e, an electric version of the E19 internal-combustion model. It features the same profile, stability and lift capacity, as well as comparable performance as the E19, while offering a constant torque curve. The model has a width of 3.25 ft (980mm), and travel pedals and joysticks. The E19e is powered by a 17.3 kWh battery, has an LpA (operator noise) of 70dBA.

### Hyundai renews complete mini excavator line

Hyundai Construction Equipment updates its mini excavator line with eight models that join the HX10A Twin Drive micro excavator and the HX85A. The revised color scheme includes a grey front attachment. All models over 4t operating weight are equipped with a revised hydraulic system, featuring Bosch-Rexroth load-sensing controls and a variable displacement pump. Load-independent movement of hydraulic functions provides multi-tasking.

Extendable undercarriages and dozer blades on the HX17A and HX19A models deliver stability for heavy digging and lifting, while optional angled blades are offered on models above 3.5t. Long and short dipper arms are available, along with heavier counterweights on some models. The models are equipped with optional quick-coupler piping, and a rearview camera is also an option on excavators over 4t operating weight.

### Komatsu announces PC17R-5 and PC20R-5 mini excavators

Komatsu Europe announces the PC17R-5 and PC20R-5 conventional tail EU Stage V mini excavators, with features such as a large and comfortable cabin, newly designed tracks, a top mounted boom cylinder (PC20MR-5) for off-the-dial digging force, and several standard safety features. The user can further customize the PC17R-5 and PC20R-5 with an exten-

sive line of options. New R-5 features include R-5 cab and interior, low transport weight (PC17R-5), double lock function for PPC, engine shut down secondary switch, seat belt caution indicator, and frame and cab tie-down and lifting points. The PC20R-5 features a top-mounted boom cylinder, third and fourth auxiliary lines, and a new operator seat.

### AUSA electric dumper for combined work with mini excavators

Dumpers may be used in combination with mini excavators, and Spanish manufacturer AUSA launches an electric dumper suitable for this application. The D151AEG, with a 1.5t payload, features a swing skip and allows the user to offload materials at any angle with a joystick. When combined with a mini excavator, this makes for a suitable pair compared to skid steer



or backhoe loaders, which are slower due to the large number of tasks they have to perform. The model is the first in its category equipped with a lithium-ion battery power unit. It features a pack with a 9.3kWh capacity, 7.6kW power batteries, and peaks of up to 17.3kW. It takes two hours to charge the batteries from 20 to 80% with a standard 230V socket.



# AGP Introduces High Cycle Coring Motor and Drill Stand

Now Taiwan manufacturing AGP is entering the high cycle concrete sawing and drilling segment by launching their new high cycle coring motor DM20 and a new drill stand QS600.

AGP's new DM20 is an all-new rig mounted coring motor for diameters of 5 to 19.6 in (100 to 500 mm). The state-of-the-art high frequency motor design allows a wide speed range with only a single gear ratio and no loss of torque. There are no gears to select; all speed adjustments are made electronically with its advanced digital interface. Users simply select the diameter by push of a button.

Although the DM20 is high-frequency, no separate three-phase power box is needed. Using permanent magnet synchronous motor (PMSM) technology, the DM20 operates on single-phase 220V-240V, significantly simplifying operation, as not every jobsite has three-phase power available. On 16A input, it puts out 4.4 hp (3.3kW), which is said to be at the level of 90% efficiency. To put this in perspective, a typical 16A universal motor puts out only about 2.8 hp (2.1kW) or less on the same input. AGP claims the DM20 is more than half again as powerful as competitors' units, again using only single-phase power.

Other features of the DM20 include a display that can be easily switched between metric and imperial measurements, and a clearly visible LED load indicator to help the operator optimize feed pressure.

The DM20 is joined by AGP's new QS600 drill stand, which features a quick release cam-lock cradle system. This makes it much easier and safer for the operator to mount and dismount the motor from the stand, especially in challenging situations, such as on walls and tight spaces. The stand can accommodate core bits up to 19.6-in (500mm) without the need for any additional spacer. An accessory spacer expands the bit diameter to 23.6 in (600mm).

This drill stand has a full range of features, such as built in gear reduction, tilt capability, spirit levels, and wheels. The rig is built for strength but with minimized weight, using a steel reinforced aluminum alloy column and box steel base. Overall, the QS600 drill stand and the DM20 coring motor are designed to be a perfect complement to one another, providing an optimized large-diameter core drilling package.



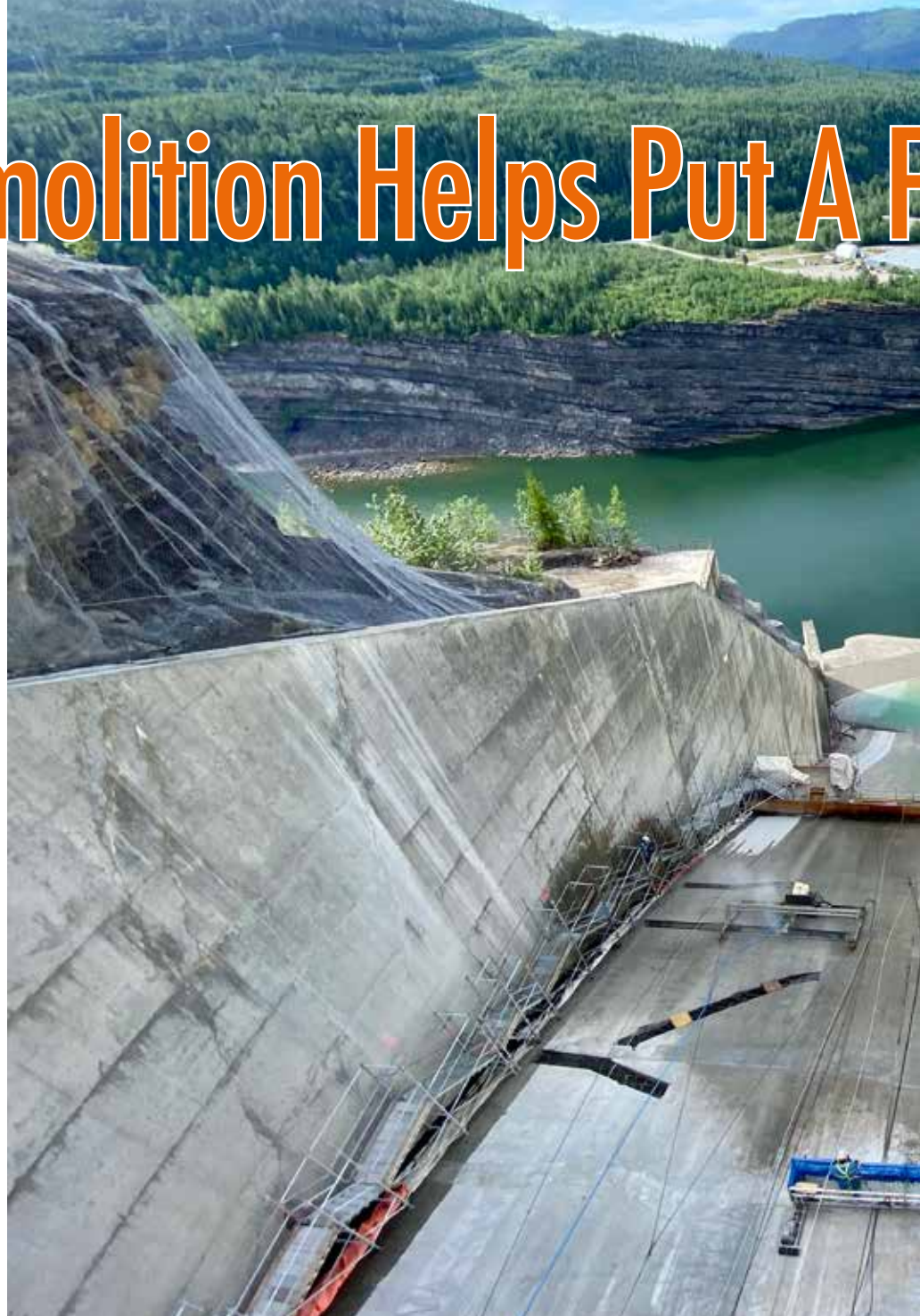
# Hydrodemolition Helps Put A F

At 610 ft (186m), the W.A.C. Bennett Dam on the Peace River in northern British Columbia is one of the worlds highest earth-filled dams. The BC Hydro-owned hydro-electric facility has the capacity to generate more than 13,000 GWh annually, supplying more than a third of the province's power demand.

Years of water runoff and freeze-thaw infiltration had left numerous cracks in the half-century-old dam's concrete spillway. In the summer of 2021, an extensive program to repair the cracks and prevent further erosion got underway. Work progressed slowly, as the general contractor was



The hydrodemolition robot set up for the 2021 try-out on a 9.8-ft (3m) spillway crack



using jackhammers to remove decaying concrete and prepare areas for repair pours. Sensing there might be a better way to get the job done, the on-site staff of the project's surface preparation subcontractor Walco Industries, Inc., suggested that robotic hydrodemolition technology would help accelerate the repair process.

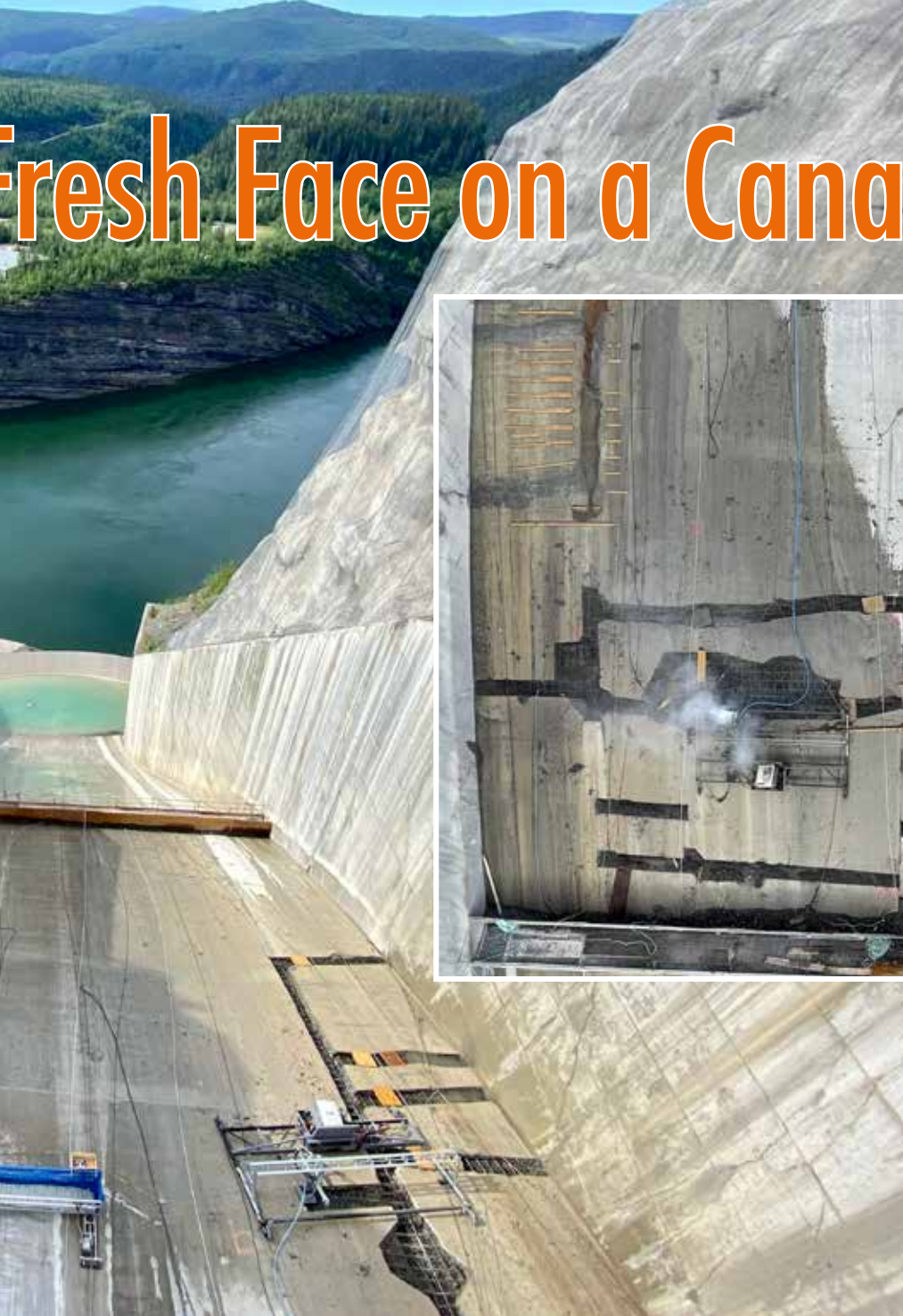
## Walco Industries in Campbell River

Based in of Campbell River, B.C., Walco Industries is well-versed in applications of hydrodemolition on a wide range of infrastructure. Though the spillway presented a number of unique challenges, the team was convinced that the approach would be far faster and efficient than conventional methods.

Walco's team made a convincing case to the

general contractor and owner of hydrodemolition's capabilities, and was asked to test the system on a 9.8-ft (3m) spillway crack. Using Aquajet 410v robotics and track system, along with a 20,000-psi water-pressure system that had been used for surface preparation, Walco's team easily cut 18-in (25.4mm) deep profiles into the deep concrete at various lengths, angles, and slopes, all to the owner-specified International Concrete Repair Institute CSP 10 standard. In fact, the hydrodemolition equipment accomplished more during the two-day trial than had been completed through weeks of handwork. The results convinced the GC and BC Hydro to rethink the repair strategy for the summer 2022 construction season, and use hydrodemolition to remove a 1,783-ft3 (50.5m3)

# Fresh Face on a Canadian Dam



**Crack repair work on the slope of the spillway at the W.A.C. Bennett Dam.**

**An overhead view of the spillway with Walco Industries' hydrodemolition robots poised to get to work.**

section of spillway. Because those cracks were located at 45-degree angles, Walco brought in two proprietary winch and spine hydrodemolition systems adapted to a platform that conformed to the slope. The winches were anchored to the spillway approximately 330 ft (100m) above the worksite, one winch per robotics system. The pumps were staged up on the roadway 656 ft (200m) away, while the operators of the robotics were able to work from a safe distance of approximately 82 ft (25m) from where the hydrodemolition was being done.

Two systems operating concurrently on two different segments of the spillway slope so good coordination was imperative. The angles during the removal were modified to create "key" cuts in

the concrete to help with reducing the amount of removal needed to be done by jackhammer. The winch systems were used remotely by the operators overseeing the hydrodemolition robotics.

## The demolition was completed in phases

After hydrodemolition portions were completed, the GC's team would do their modifications, adding rebar and fresh concrete. Due to the degradation from years of weather, exposure, and the large aggregate from the initial build, the project team frequently encountered spalling, which, in turn, added Walco's overall scope of work.

All water was transported to site at the beginning of the project via water truck and there was

enough storage capacity on site that no further water was required for the duration of the project. Multiple booster systems were needed to move dirty water from the flip bucket to the primary tank, then to the treatment equipment. The water was then stored until it was pushed up again to a 11,100-gallon (42,000 liter) tanker. From there, the water was pushed to the high-pressure pumps that fed the robotics within the spillway. Once the job was done, the treatment system would balance the water pH, remove turbidity, and prepare the water for safe discharge into a nearby forest.

All in all, the system proved very efficient—so much so that Walco crews needed to stand down for a few weeks so that the concrete replacement would catch up. This was due to BC Hydro's requirement that the spillway be back up and running within 10 days if needed. Those efficiencies were welcome, as the project team had to temporarily evacuate the area due to nearby forest fires, and contend with unexpected hazards such as lightning and high winds. Still, hydrodemolition proved its value that summer, covering 2,225 ft<sup>3</sup> (63m<sup>3</sup>), and providing many lessons learned that will be applied to future projects.

[www.aquajet.se](http://www.aquajet.se)  
[www.walcoindustries.ca](http://www.walcoindustries.ca)

# Calling All Industry Professionals Opportunities Await...

IDA and Demtech 2023, India's 2nd international demolition, recycling, and remediation conference is almost here. And there's still time to be a part of it.

In 2019, the Indian Demolition Association (IDA), spearheaded by Mohan Ramanathan, organized the country's first-ever demolition, recycling, and remediation conference in tandem with the group's formation. Demtech India 2019 was backed by some major industry players, including Volvo India as headline sponsor, and many of the industry's leading manufacturers sponsoring and exhibiting at the event.

Such massive sponsor support and a high turnout of Indian participants, backed by attendees from 17 different countries, was the perfect potpourri for a path breaking and resounding success. Considering the size and scope of the Indian economy and

its booming construction industry, the intent was to conduct a bi-annual conference.

## Second edition 28-29 September, 2023

As we all know, Covid19 put the brakes on those grand plans. Now with Covid19 in retreat, the industry is roaring to move ahead. Against this background, IDA is keeping pace with this expected surge, setting the stage for the long-awaited second edition of Demtech India.

We're pleased to announce that Volvo India will be the headline sponsor for Demtech 23, with Epi-

### SPONSORS

Booked sponsors and exhibitors so far at Demtech 2023.

#### Headline Sponsor

**VOLVO**

#### Affiliate Sponsors

**JET** **EDICE** **Epiroc** **HILTI**

#### Gold Sponsors

**MBI** **LISSMAC** **K** **GOMAR**

#### Silver Sponsors

**CELESTIO** **STANCO** **K** **Genesis Engineering** **TEREX** **SPT Sanwa** **SGC** **ROTAR**



The venue, White Petals Palace in Bengaluru.

roc, Hilti, Brokk, Aquajet Systems, and Sennebogen are supporting as associate sponsors. Husqvarna, Edifice, Pentrunder, Shearcore, Kemroc, Kobelco, and Tyrolit are affiliate sponsors.

Demtech India 2023 presents promising business networking opportunities for industry aficionados who desire to get a foothold into the Indian market. Considering the Indian economy is on an upward trajectory and backed by key government policies that are encouraging and sustainable, the time is ripe to take action.

According to a recent report by the government's

### EXHIBITORS

**VOLVO**

**JET** **EDICE** **Epiroc**

**MBI** **LISSMAC** **K** **GOMAR**

**CELESTIO** **STANCO** **K** **Genesis Engineering** **TEREX** **SPT Sanwa** **SGC** **ROTAR**

**MDT** **CELESTIO** **MB** **DOZCO** **Deefec** **NT** **DYNASTY** **B**



**Mohan Ramanathan, president of the Indian Demolition Association, IDA and project leader of Demtech 2023.**

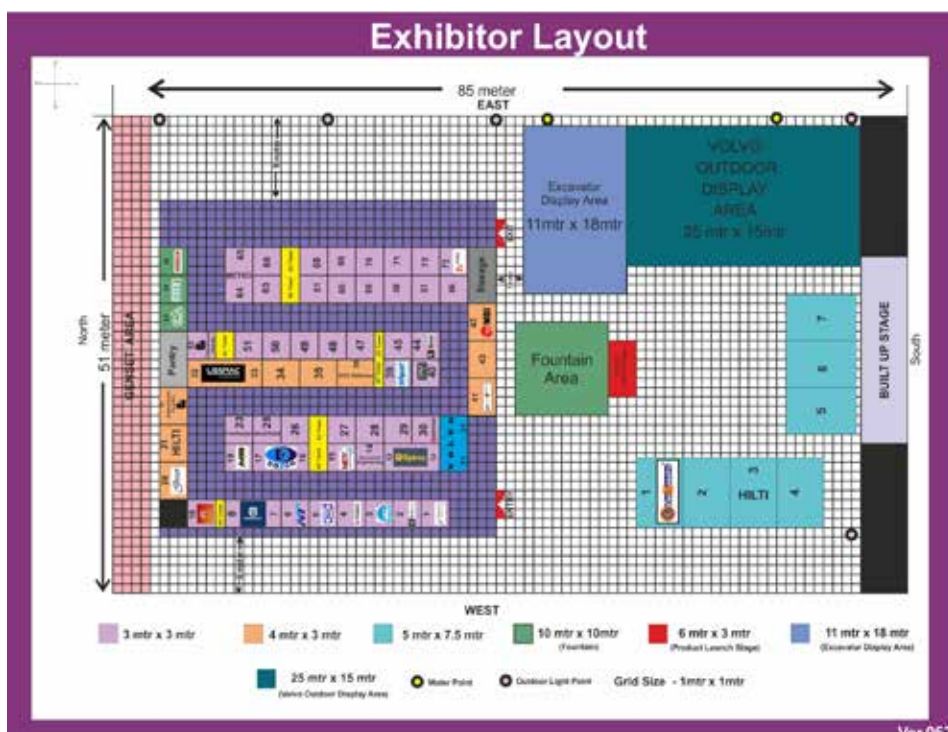
demolition contractors, approximately 200 medium to large contractors, and approximately 500 or so smaller companies spread across the country. This creates a promising path for new players to make



National Investment Promotion and Facilitation Agency, the construction industry market in India the construction industry in India is expected to reach more than US\$1.4 trillion by 2025 with the urban population set to contribute 75% of the national growth domestic product. The industry also encompasses 250 sub-sectors, many of which are linked to each other.

In a March 2022 article in PDI magazine, PDA's sister publication, Ramanathan said the Indian demolition industry has a very bright future.

"There are tons of infrastructural projects in the loop thanks to the governmental spending on



**The floor plan and demo area at Demtech in Bengaluru 2023.**

infrastructure in the country," he said. "There are also a number of modernization projects on production plants that also will generate a lot of jobs."

Yet despite this demand, India's recycling and remediation is not sufficiently geared to handle the burgeoning market in a professional manner. According to Ramanathan, there are around 10 large

inroads into the market, while those already there can grab a bigger share.

Demtech India 2023 provides the perfect platform to meet, network, and take advantage of these opportunities. For more details on registration, sponsorship, and the conference agenda, visit [demtech.in](http://demtech.in).

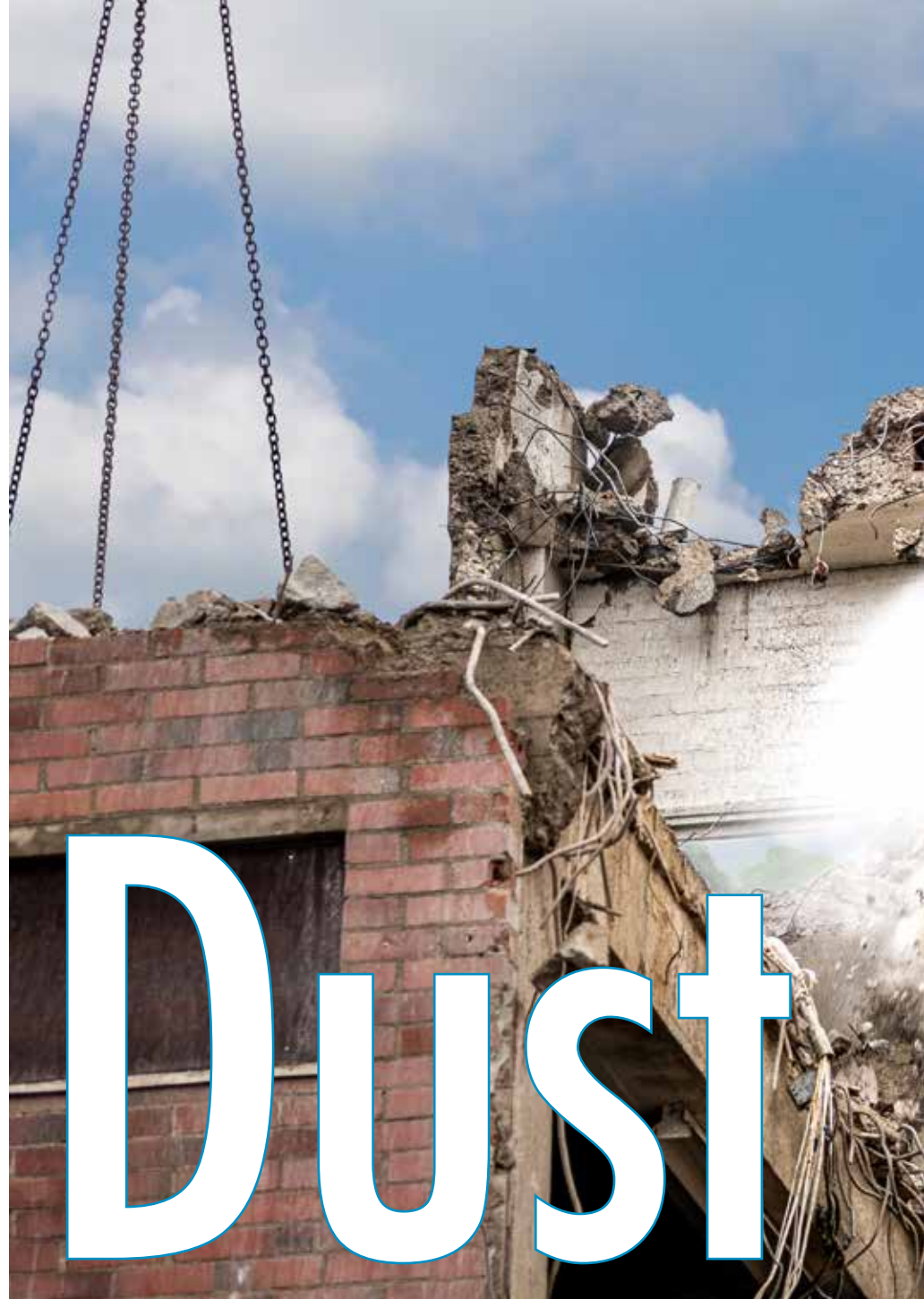
[www.demtech.in](http://www.demtech.in) • [www.indiandemolition.org](http://www.indiandemolition.org)

The prevention of airborne particles continues to be an important factor on modern demolition sites. Here are some of the latest offerings in the field of dust suppression.

#### **B + W launches Naltec spray cannons**

B + W expands its Naltec water fog system range with new spray cannons that generate super-fine floating water droplets with a low working pressure of 150 psi (10 bar), according to the company. The fine nebulization makes it possible to economize the water consumption which leads to a decrease in energy and operating costs, and the mobile and stationary structure is adaptable to local conditions. The fans create a fine water mist that is blown over a long distance, and by tilting to 350°, all-round fogging and wetting of a large area is possible.

Depending on the requirements, there are different varieties which differ in the throwing distances and amount of water sprayed. In windless condition, a throw distance of 50 to more than 650 ft (15 to



200m). The model has a steel construction, and basic equipment includes a fan with diffuser, nozzle ring in stainless steel, frame with rotary actuator, pump with filter, and controller with dry-run protection. Other accessories, such as the three-wheel undercarriage, remote control, trailer, water tank and power generator, are suited for individual requirements. The Naltec spray cannon is independent from the water and power connection, and by using the trailer the spray cannon can be used in any location.

#### **Dynaset presents new kits for HPW-Dust system**

Dynaset offers new kits for its HPW-Dust high-pressure dust suppression system for mobile machinery in fields such as demolition, crushing, and recycling. The different accessory kits include connectors,

nozzles, or filters, available for a variety of machines.

The HPW-Dust system produces atomized water mist to suppress dust. According to Dynaset, the dust suppression effect binds the dust with minimal water, and a smaller drop size binds more dust particles and improves dust suppression compared to low-pressure dust suppression systems. Nozzles are installed either at the end of the excavator's boom or directly on the demolition tool. That way, the atomized water mist is targeted where the dust is emitted, and the particles are trapped under a cover right after birth.

With HPW-Dust, the user can drive the machine to the side of the building, connect the inlet water hose or fill up the water tank, and activate the dust suppression system from the cabin when needed.

# Defiers!



## BossTek introduces upgrades with DustBoss DB-60 Surge

BossTek introduces a pair of upgrades to one of its advanced dust suppression cannons in a move to enhance its power to cut through difficult wind conditions and deliver particle management. The DustBoss DB-60 Surge features a new, adjustable high-pressure center nozzle, giving operators more control over the dust-trapping water plume. BossTek says the re-design is engineered to provide multi-step, variable flow dust control, and the single center nozzle allows users to fight wind or pinpoint a long-reach target for dust suppression at the point of emission, while minimizing clogging and maintenance.

Another update is the addition of a variable frequency drive (VFD) pump to the ducted fan and misting ring design. The VFD smart pump technology

allows the machine to react to specific water delivery capabilities, and senses when the water supply is unable to keep up with demand and automatically lowers the flow to keep the machine running. Fed by a standard 1.5-in (38mm) hose with a cam-and-groove quick disconnect coupling, the booster pump delivers up to 400 psi (27.5 bar) of water pressure to the center nozzle.



**The DustBoss DB-60 features a single center nozzle.**  
Photo: BossTek.

The center nozzle also has a variable spray pattern, from tight jet stream to a wider plume, and can be modified remotely or on the unit. It can be coupled with the optional filtration system for non-potable water. The DB-60 Surge features remote control from up to 1,000 ft (305m) away, and custom oscillation ranges can be created from local controls or the remote. The model will retain the 3-stage perfor-



**The center nozzle features a variable spray pattern.**  
Photo: BossTek.

mance options, so that users can operate with the misting ring alone, the center nozzle alone, or both together. Its equipped with adjustable elevation from 0-50° and 260° oscillation, capable of delivering more than 86,000 ft<sup>2</sup> (8,000m<sup>2</sup>) of coverage. According to BossTek, the pressurized spray resists wind shear and uses the force of the wind to further fragment and propel the droplets, while the misting ring delivers a variable pattern of millions of tiny droplets to suppress both airborne and ground-level dust. Mounted on a trailer for towing at highway speeds with a standard ball hitch, it can be placed by a pickup truck, skid



**Mounted on a trailer, the unit can be placed wherever dust suppression is needed.** Photo: BossTek.



**The DB-60 Surge fights through wind for dust suppression at the point of emission.** Photo: BossTek.

steer, or lift truck. After the initial setup, the DB-60 Surge requires no manual labor to operate.

Other options are available, including tower

mounting and a version of the Fusion lineup, which pairs the Surge with a generator to alleviate the need for an accessible power source.

# Culture in Construction: Why it Matters, and How to Make it Better

There is a labor shortage in the construction industry, and it's not exactly breaking news. Headlines declare that "nobody wants to work anymore," but is this explanation really at the root of what's a longstanding, industry-wide issue?

Amid the "Great Resignation," as Baby Boomers retire and Gen Z workers reject the long hours of the construction industry, it's more important than ever to examine the causes of this unprecedented labor shortage and explore potential solutions.

Numerous companies are feeling the pressure, especially in the skilled trades, and many have not yet been able to solve their workforce woes. After increasing pay and flexibility with little to no results, a lot of companies find themselves asking – is our company culture to blame? During a Conexpo 2023 education session titled "Culture in Construction – Is It Really That Bad?," speaker and construction industry advocate Wally Adamchik walked through the reasons why the answer to that question is both yes and no.

The good news is that industry-wide survey results indicate the construction industry's culture issue may not be so bad, according to the 2019 People in Construction Report, said Adamchik. In fact, 83% of people say that they would reapply for their current position, and 73% of people say that they are happy at work. However, these results are not good enough to sustain successful growth and project execution, according to Adamchik.

In addition, there is a significant divide between project management in the office and field supervision on the jobsite. In the office, 81% of employees say that they have a close friend at work – in the field, only 50% of employees share that sentiment. On top of that, 75% of office workers feel that they can maintain a reasonable work-life balance, while again only 50% of field employees feel that they can maintain a reasonable work-life balance.

Rather than list off more statistics about the industry's labor shortage, many leaders want information about creating a more long-lasting and motivated labor force. There are several concrete actions that can be taken to improve company culture and keep workers happy, and companies should act now to avoid losing more of their employees.

The labor shortage isn't exclusive to the construction industry, and these actions can be implemented in any workplace. Even organizations with good company culture can implement some of these changes to elevate employee experience:

**Standards and values.** Approximately 90% of survey respondents agreed that ignoring the core values of their workplace would get them into trouble. This shows that workplace values still matter, and the most visible way to manifest this is to enforce standards across the board. There should be no double standard when it comes to values. Employees will take standards and values more seriously when they are a part of company culture, and see leadership being held accountable to the same standards as employees.

**Creating lasting change.** Three quarters of senior leadership (those who are supposed to be spearheading change in the workplace) say that their efforts fall short. Change requires organizational capacity and requires a significant personal investment from leaders. Creating a path for change with concrete steps to follow along the way will help companies maintain organization and encourage both employees and leadership to follow through.

Encouraging and participating in employee recognition.

There are a multitude of opportunities to tell employees how much they are appreciated. Chances are, on a daily basis there are numerous opportunities to give positive and relationship-building recognition. And companies that regularly participate in positive recognition are more likely to attract and retain loyal employees.

**Amping up one's referral program.** About 84% of employees surveyed say that they would recommend their workplace to a friend (but don't). Furthermore, 83% of employees say that they would reapply for their current position if given the chance. There are also several ways to increase the effectiveness of a referral program, including using an easy-to-use option, offering a mixture of incentives, announcing or re-announcing the program and recognizing current employees for referring candidates.

Bridging the gap between teams and departments. In construction, there are several discrepancies between survey answers from field and office staff members that could be corrected with a little work. For example, creating teambuilding opportunities for one's entire staff on a monthly or quarterly basis can go a long way toward building camaraderie.

While there are several improvements that would benefit the construction industry's culture, and company culture in general, the survey results show that the situation may not be as bad as advertised. There are several actions that employers can take to improve company culture, from enforcing values to bringing employees together. Even small actions make a big difference, and there is no better time to start than now.

[www.aem.com](http://www.aem.com)



Heavy Equipment, Loaders & Parts' co-owners Eric Miller, president (left), and Alan Miller, vice president.

## Hyundai Adds Dealer for South-Central Pennsylvania

Hyundai Construction Equipment North America has added Heavy Equipment, Loaders & Parts, Inc., of its Lebanon, Pa., to its North American dealer network.

Heavy Equipment, Loaders & Parts' Hyundai-exclusive territory encompasses a large section of south-central Pennsylvania extending from east of Harrisburg westward through Chambersburg along the Pennsylvania-Maryland state line and northward through Mifflintown. The company expects to add to this territory the area surrounding its recently opened second facility in Somerset County.

As a Hyundai dealer, Heavy Equipment, Loaders & Parts offers sales, rentals and support for the full line of Hyundai machines. Since the dealership's 1972 founding as Dennis M. Miller Equipment Sales, the company has exclusively sold used construction equipment. Hyundai

becomes the first brand of new equipment carried by the dealership.

"When we decided it was time to start selling new equipment, Hyundai became the obvious choice for us," says Alan Miller, who with his brother, Eric, co-owns Heavy Equipment, Loaders & Parts. "Hyundai offers the best combination of great technology, competitive pricing, warranty support, and financing options. We see excavators and wheel loaders as the heart of the Hyundai line, but we also expect to have a lot of customers interested in Hyundai articulated haul trucks and compact equipment."

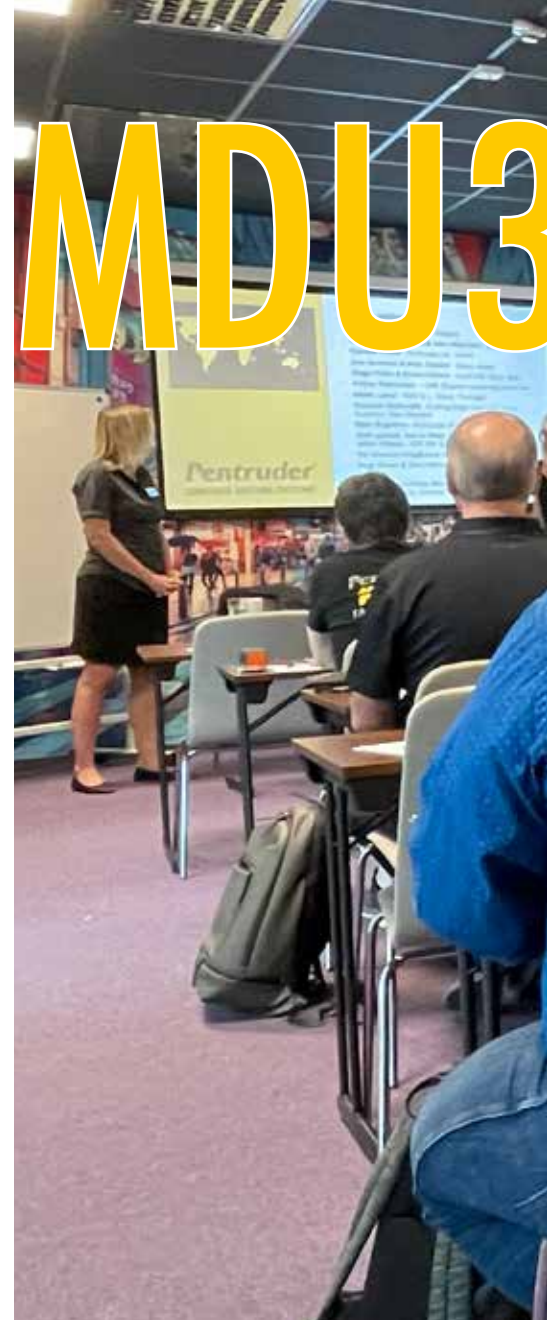
The dealership serves a variety of key industries, including general construction, home building, large-scale site preparation, and high-volume material handling businesses such as aggregates production and quarrying.

# Pentruder MDU3



**The pre-launch of Pentruder's new MDU3 core drill motor was the highlight of Tractive's international distributor meeting, held this past June in Borlange, Sweden.**

The MDU3 is an 8kW, three-phase core drill with three different gear ratios and a motor rpm of 1:4 which is designed to provide it with a wide electronically variable spindle speed range. To be available in three models by the end of this year, the 33-lb (15kg) MDU3 is designed to drill through concrete while also being very easy to handle. The MDU3 has integrated drive and control electronics which means there is no separate power pack is needed. Users simply connect directly to 380-480V 50/60Hz three-phase electrical supply. The machine display shows amp, voltage, and power peripheral speed.



An integrated 3.7-lb (1.7kg) auto-feed feature will be available as an option, along with a variety of drill bit adapters also will be available.

[www.pentruder.com](http://www.pentruder.com)

# Is Here!



## Technical data

	MDU3-100(AF)	MDU3-60(AF)	MD3-30(AF)
Spindle speed (rpm)	50 - 450	300-900	600-1,800
Torque (lbf/Nm)	147.5/200	99.2/120	44.3/60
Bit range (in/mm)	4.9-39.3/125-1,000	3.1-23.6/80-600	1.9-11.8/50-300



# Convention & Exhibition

White Petals, Palace Grounds



indian demolition association



## India's 2nd Dedicated Conference and Exhibition for Demolition, Concrete Cutting

Affiliate Sponsors:



Three  
More  
Available  
Positions

Platinum Sponsors:  
Ten Available Positions

Gold Sponsors:



Seven  
More  
Available  
Positions

Silver



Watch out for Registration and Exhibition alerts soon. For Sponsor Opportunities

**28-29 September, 2023**

**Bengaluru, India**

# DEM TECH 2023

*An IDA - Indian Demolition Association Event*



**ng, Recycling & Remediation Techniques**

ver Sponsors:



Four  
More  
Available  
Positions



Organisers:



HEADLINE  
SPONSOR

One Available  
Position

**ies. Contact IDA for more information**

**www.indiandemolition.org • www.demtech.in**

## General Equipment's CS8 Random Crack Saw Ideal for Both Asphalt and Concrete Surface Repair

General Equipment Company's CS8 Random Crack Saw is specifically designed for following and cutting irregular crack patterns in both asphalt and concrete surfaces. Utilizing an 8-in (203mm) diameter, dry/wet-cut diamond blade, the saw features a center-mounted blade to offer a highly maneuverable solution to producing smooth-sided cuts for proper crack filling procedures.

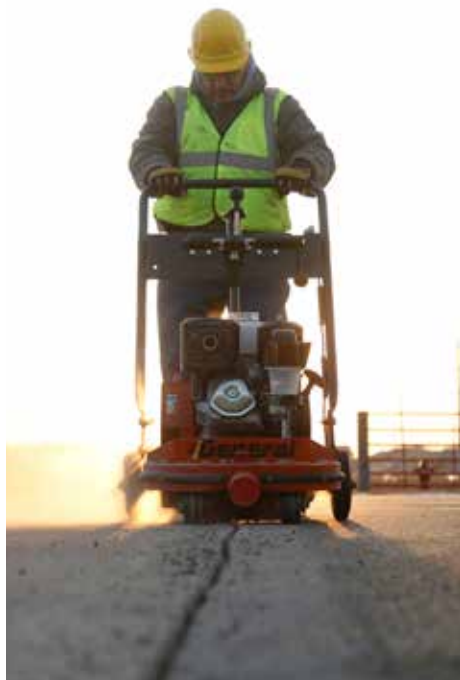
Power is supplied by a 13-hp (9.2kw) Honda GXV390, 4-stroke engine equipped with a Cyclone®-type air filter system for maximum protection against fine-grained dust contamination. The maximum cutting width is .5 in (12.7mm) and the maximum straight-line cutting depth is 1.5 in (38.1mm).

The CS8's center-mounted blade configuration lets the machine pivot about its own axis to more easily follow random crack patterns. This design helps maximize blade life by minimizing undercutting. Also, because the saw is pulled during operation, it offers more natural operator control than side-mount blade saws, and affords excellent, direct-line visibility of the crack.

To best handle the rigors of any jobsite, the CS8 features a unitized, welded steel-plate frame with extra heavy-duty, sealed swivel casters, and extra-capacity, twin-row externally greased bearings.

Other standard features include an infinitely adjustable blade-height control and the unique Quik-Pitch™ blade engage/disengage lever. Also, an integrated dustpan helps collect the high volume of fines produced during sawing and discards them away from the operator for simple collection and disposal. An optional water mist control system (CS8-1000) is available to meet OSHA's silica dust suppression regulations in walk-behind saw, wet-cut applications.

[www.generalequip.com](http://www.generalequip.com)



## Atlas Copco Expands Energy Storage Systems Portfolio



Atlas Copco Power and Flow has launched five new models of its industry-leading lithium-ion energy storage systems. The new units take modular energy storage to a new level, expanding the spectrum of suitable applications, and providing customers with increased options for power.

The additions include a larger ZBC 300-300 unit and a smaller line of battery-based storage systems, the ZPB 45-60, ZBP 45-75, ZBP 15-60 models, and the ZBP 2000 with two flexible solar panels.

Designed with sustainability in mind and well-suited to noise-sensitive environments, these cutting-edge energy storage systems are ideal for applications with a high energy demand and variable load profiles, as they successfully cover both low loads and peaks. They can properly size cranes and other electric motors, and successfully manage peaks in energy demand for noise-sensitive events and for electric vehicle recharging stations. In addition, operators can synchronize several models, which can become the heart of any microgrid, storing and delivering energy coming from several energy sources, including renewables.

The small ZPB 45-60, ZBP 45-75, and ZBP 15-60 units are modular, mobile, and up to 70% lighter in weight than other battery systems, and so can easily be moved around site to provide clean and quiet energy where required. They can work alone in island mode, or can be coupled with a diesel generator to provide a hybrid solution with significant energy savings.

The ZBP models are easy to use and install and have lower maintenance needs than a standalone diesel generator, which translates into a reduced total cost of ownership. Featuring advanced high-density lithium-ion batteries, these energy storage systems provide excellent performance with more 12 hours of power from a single charge, and they can be fully charged in less than one hour.

ZBP 2000 is a fully sustainable portable solution as it comes with two foldable solar panels which could be used to recharge the unit in great weather conditions or to maintain a proper battery level during less efficient production days. It provides silent operation and zero emissions while working with solar energy. Up to five units can easily be joined in parallel to provide users with higher power levels of up to 10kW.

Compact and lightweight, with a footprint of 35 ft<sup>3</sup> (1m<sup>3</sup>), this unit is robust enough to withstand conditions typically found on construction sites. The ZBP 2000 energy storage system has IK09 impact resistance classification and an Ingress Protection rating of IP65, meaning it provides exceptional protection from dust and water, so users can be confident it

provides excellent reliable performance in harsh environments.

The ZBC 300-300 joins the ZBC 250-500 and ZBC 500-250 models are designed to meet the requirements for off- and on-grid applications, and is ideal in combination with renewable stations, providing up to 4.5MWh of storage capacity. It is a scalable solution, as up to 16 units can be connected in parallel. Moreover, when operating in hybrid mode with a diesel generator, users can reduce daily fuel consumption by up to 90%, depending on the application.

During stand-alone operation, these energy storage systems offer no fuel consumption and no CO<sub>2</sub> emissions, operating at less than 80 dB(A), while allowing users to increase the productivity of their core business by up to 50%.

### ECO, the Energy Controller Optimizer

All Atlas Copco's energy storage systems come with their own intelligence, the ECO Controller,™ a unique in-house designed and developed energy management system. With the introduction of this human-machine interface (HMI), operators will optimize energy generation, distribution, and consumption. ECO, as the 'brain' of the energy storage system, communicates with all components including inverters, batteries, solar charge controllers and energy meters.

The controller ensures consistent operations and optimal performance of the entire installation, therefore enabling operators to minimize downtime. Atlas Copco's ECO Controller™ offers seamless user experience, provides performance data so customers can take any immediate corrective action, thereby increasing the lifetime of components and generators and the overall operational efficiency while reducing long-term costs.

Moreover, to enhance the electrification of certain sectors, Atlas Copco has launched the Z Charger for electric vehicles and heavy-duty machinery. This new solution, which increases the charging rate by boosting the voltage, decarbonizes the recharging of battery-driven machinery and vehicles when working with an energy storage system.



# ***Pentruder***

## **EQUIPMENT BUILT TO LAST**

All Pentruder products are made in Sweden with pride and precision. We produce precision parts in-house, from the best materials, in state of the art production machines. With over 35 years of experience from designing concrete cutting equipment, we know how to build high performance, durable systems. The Pentruder equipment is only sold by our authorized Pentruder distributors world wide.

Find out more on: [www.pentruder.com](http://www.pentruder.com)

***Pentruder***<sup>®</sup>  
**CONCRETE CUTTING SYSTEMS**

Designed and manufactured by:

Tractive AB | Gjutargatan 54 | 78170 Borlänge | Sweden  
Tel: +46 (0)243 221155 | E-mail: [contact@pentruder.com](mailto:contact@pentruder.com)  
[www.pentruder.com](http://www.pentruder.com)



**50 YEARS SOLID**  
**WORLD OF CONCRETE®**  
BOOTH 030327 - SILVER LOT

**AED**  
SUMMIT  
BOOTH 1211

**MB**  
THE CRUSHING EVOLUTION

# THE CRUSHER BUCKET FOR YOUR EXCAVATOR



## JAW CRUSHER FOR EXCAVATORS.

When installed on your excavator, it transforms waste into high quality material ready to be reused.



FOR EXCAVATORS,  
BACKHOES, LOADERS  
AND SKID STEERS

6,600 - 220,460 lb



**REDUCE >> REUSE >> RECYCLE**