

# P.O.O. AMERICAS

PROFESSIONAL  
DEMOLITION  
AMERICAS

Your Gateway to North, Central and South America

Volume 6 • Issue 2 • 2019

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JR RAMON Demolition, with 70 employees, recently added OilQuick quick coupler to its 80,000-pound excavators.

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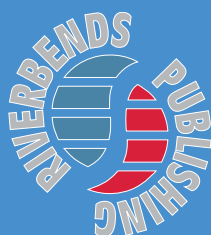
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# "So Much Work, So Few Workers to Do It"

By the time you read this issue of PDa, the construction season will be in full swing across most of North America. Each jobsite will also serve as a contractor's personal proving ground of sorts, as productivity-enhancing features touted by manufacturers will be tested as never before.

The reason, of course, is while construction remains strong in most parts of the Americas, contractors are scrambling to find enough skilled workers capable of turning those project opportunities into profits.

And if staffing up seems challenging now, just wait. A recent Associated General Contractors' survey found that while nearly 80% of construction companies are looking to hire more workers in 2019, the industry's workforce is projected to grow by only half a percent each year through 2028.

The litany of reasons is well-known—a Recession-weakened labor pool that is being eroded by age-related attrition; perceptions (not all of which are accurate) of construction work among younger workers; competition from other industries facing their own worker shortages; local economic factors; etc.; etc.

Many industry associations are working to give construction a makeover of sorts, creating innovative educational programs designed to spark awareness of building trade careers among young people as early as possible, then nurturing their interest through increasingly more sophisticated—and fun—learning activities. Several states have launched efforts to enhance or revive vocational education programs aimed at recruiting and training new craft workers.

Meanwhile, there's a move to automate some of the most tedious construction tasks. Front and center at this year's Bauma was IronBot, a machine designed to lift, carry, and place rebar on bridges and wherever else reinforced concrete is being placed. IronBot's developers, who also created the autonomous rebar tying machine called TyBot, say the machine could be ready for sale sometime next year. And while autonomous vehicles may not be ready for the highway, they may have a place on closely controlled jobsites performing tasks

such as shuttling materials or laying out boundaries.

All well and good for the not-so-far-off 2020s. But what about now? What about having enough workers to get through the summer? What about covering what's going on now, and plus that job scheduled to start next week?

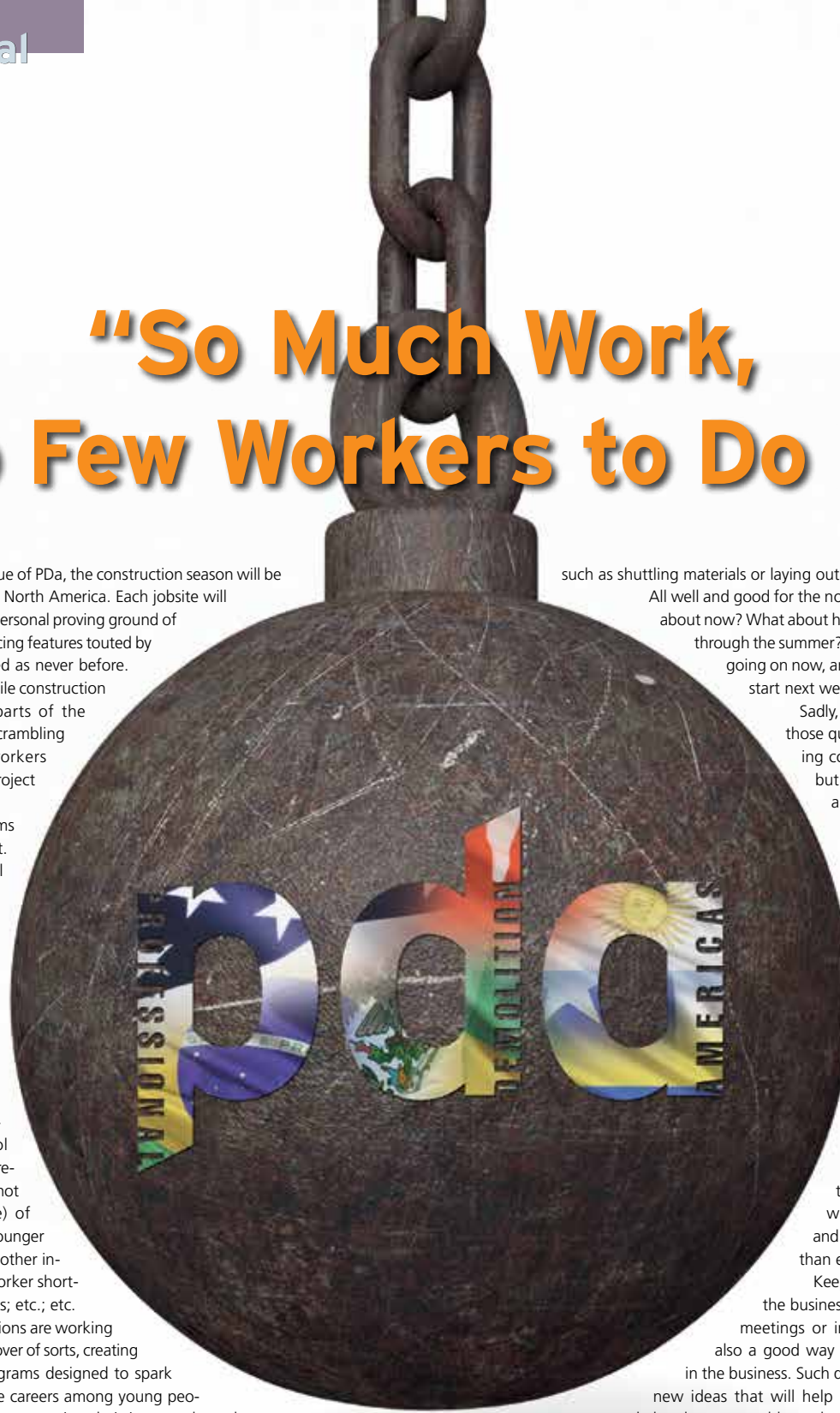
Sadly, there are no easy answers to those questions. The challenges facing contractors are surely shared, but their needs, circumstances, and options vary from one shop to the next.

Maybe the best thing a contractor can do is focus on the workforce already in place. All it takes to find out what they need or want out of their jobs is simply to ask, and listen carefully to their responses. Pay increases may not be possible, but recognizing and rewarding workers with bonus days off, funding training opportunities, or just splurging on dinner for their families can go a long way toward building loyalty and keeping them focused rather than eyeing greener pastures.

Keeping them up to date on how the business is running through regular meetings or impromptu Q&A sessions is also a good way to help them stay engaged in the business. Such dialogue may also yield some new ideas that will help save money, or provide an early heads-up to problems that might devolve into serious issues otherwise.

Approaches such as these may not solve all your workforce challenges, but fostering motivation and morale among employees will almost certainly make your firm a better place to work. And when that prospective employee with those coveted skills is comparing what your firm has to offer with other potential opportunities, guess which one he or she will choose?

**Jim Parsons, Senior Editor**  
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## Doosan Bobcat North America and Montabert Announce Transfer in U.S. Distribution Rights

Doosan Bobcat North America has transitioned its rights to the U.S. sales, marketing, and service of the Montabert brand of attachments to Montabert SAS, creating a direct link between the brand's U.S. distribution network and factory in Lyon, France. This change is the result of an agreement reached jointly by both parties to support Montabert SAS's desire to get closer to its U.S. customer base. To support the change, Montabert has been investing in new support facilities across the U.S. They include a state-of-the-art service center that opened in March in Chattanooga, Tenn., for product support, and a new Distribution and Customer Center in the St. Louis, Mo., area with more than 50,000 square feet of warehouse space and offices. Montabert is also building a new facility in Elko, Nevada, dedicated to supporting west coast customers. That facility is scheduled to open next year.

Current sales and service contacts in the field remain the same. A new online Montabert dealer portal launched April 1, with full ordering capabilities, parts breakdown, warranty system, and case management to further enhance the dealer experience.

## Epiroc USA Appoints Jon Torpy as General Manager

Jon Torpy is the new General Manager and President for Epiroc USA LLC, effective May 1, 2019. Torpy brings 15 years of broad leadership experience with Epiroc and predecessor Atlas Copco, and 20 years of overall industry experience. Based in Denver, Colo., Torpy will lead the U.S. Customer Center of Epiroc, which supplies innovative, safe and sustainable drill rigs, rock excavation and construction equipment and tools. The company also provides service and world-class technology solutions for automation and interoperability.

Torpy is a strong advocate for innovation to help drive continuous improvement



for Epiroc customers. During his tenure as Vice President of Marketing for the Drilling Solutions division, he was a key visionary and leader in the Epiroc autonomous drill program, which has become a game-changer for many customers. Torpy joined Ingersoll-Rand Drilling Solutions in 1999 as an Application Engineer. After the acquisition of the Drilling Solutions Division by Atlas Copco, now Epiroc, he became Regional Manager, Latin America, and Canada. He then held positions as District Manager at the U.S. Customer Center in Denver and Business Line Manager, Drilling Solutions before moving into his most recent Vice President of Marketing role with Drilling Solutions in Garland, Texas. Since growing up in a copper mining camp in Cuajone, Peru, South America, Torpy has spent most of his life as part of the mining community. He is a 1999 graduate from Montana Tech with a B.S. degree in Mining and Mineral Engineering. He also graduated from the TIO International Executive Program at the Stockholm School of Economics in Sweden, where Epiroc has its global headquarters.

[www.epiroc.us](http://www.epiroc.us)

## General Equipment Appoints New National Sales Manager

General Equipment Company, manufacturers of extreme duty light construction equipment, is pleased to announce Greg Kunderman has joined the company as national sales manager. Kunderman will be responsible for the development and coordination of sales for national and independent accounts, and oversee long term sales strategy development as well as General Equipment's sales representative organizations for North America. Kunderman has more than 25 years of experience in a sales and marketing capacity and looks forward to continuing his longstanding, professional relationships with customers and manufacturing representatives alike. Prior to joining General Equipment, he served as national sales manager for Heat King, a Division of Tamarack Industries, which manufactures and distributes glycol and forced air heating equipment to the rental industry.

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

## Haver & Boecker Appoints Quebec Sales Representative

Aggregates and mining equipment manufacturer Haver & Boecker recently named Jean-François Marchand as its certified sales representative for Quebec. Marchand brings 20 years of sales experience to the position with 10 years in heavy machinery. As a certified sales representative, Marchand is responsible for helping mining and aggregates customers in Quebec find solutions to increase productivity and profit through Haver & Boecker's screening, washing and

pelletizing technology, as well as screen media, parts and service. Marchand earned his degree in business administration at Trois-Rivières Collège and ran his own business for a decade, before moving into heavy machinery sales, where he refined his knowledge of the mining and aggregates industries, particularly in screening. He looks forward to nurturing the long-standing customer relationships in the Quebec area, as well as introducing new customers to Haver & Boecker technology.

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



## Haver & Boecker Canada Welcomes New Service Managers

Haver & Boecker has hired Wilm Schulz and Luigi Petrucci to lead its Service Department at the company's manufacturing facility in St. Catharines, Ontario, Canada. Schulz will head the North American service team as parts and service manager. Petrucci joins as assistant manager of parts and service. Both look to uphold the commitment to customer efficiency that has become synonymous with Haver & Boecker and its Service Department.

The addition of Schulz and Petrucci adds 24 years of industry experience to a veteran team of service technicians, engineers and customer service specialists. This knowledgeable crew ensures prolonged life and increased efficiency for Haver & Boecker equipment by offering Pulse vibration analysis, refurbishments, machine repair, and



preventative maintenance. Before moving into their current roles, Schulz and Petrucci worked with Haver & Boecker Canada in different capacities. Schulz has been with the company for more than 10 years, the last two as plant manager. Petrucci worked in the company's engineering department for eight years before moving into the service department for six years.

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

## Genesis Attachments Hires Jeff Powell as Heartland Regional Manager

Jeff Powell has joined the Genesis sales team as regional manager of the company's newly created Heartland territory. Covering Colorado, Nebraska, Kansas, Oklahoma, Arkansas, Missouri, and Southern Illinois, Powell will provide attachment, parts and service sales, and application support to the demolition, scrap, and material handling industries. He will also manage Genesis dealer presence in the territory. Powell has worked in the heavy construction and agricultural industries for more than 20 years and brings product and sales management, new product development, service training and service parts product management experience to Genesis.



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## Event Calendar

### Demtech India 2019

Nov 13, 2019  
Hotel Sahara Star,  
Mumbai, India  
[www.demtech.in](http://www.demtech.in)

### World of Concrete 2020

Feb 4-7, 2020  
Las Vegas Convention  
Center, Las Vegas, USA  
[www.worldofconcrete.com](http://www.worldofconcrete.com)

### Conexpo-Con/Agg 2020

March 10-14, 2020  
Las Vegas Convention  
Center, Las Vegas, USA  
[www.conexpoconagg.com](http://www.conexpoconagg.com)

### ISRI 2020

April 25-30, 2020  
Mandalay Bay, Las Vegas, USA  
[www.isri2020.com](http://www.isri2020.com)

### CSDA 2020 Convention & Tech Fair

March 10-14, 2020  
Carlsbad, Ca, USA  
[www.csd.org](http://www.csd.org)

### Samoter 2020

March 21-25, 2020  
Verona, Italy  
[www.samoter.it](http://www.samoter.it)

## ASV Expands Dealer Presence in Final Months of 2018

ASV Holdings, Inc., added several new dealers to its dealer network in the 4th quarter of 2018 — R&S Industries, Inc.; Robin Rents; and Kruseman Implement, Inc.; plus new locations for Heavy Machines, Inc.; Buckeye Power Sales; and Delta Power Equipment. The new dealers are a welcome addition to ASV's quickly growing dealer network as the company expands across the U.S. and Canada. The new dealers will offer all ASV Posi-Track compact track loaders, featuring best-in-class operating capacity, cooling systems, and hydraulic efficiency. Among these are several new CTLs — the RT-25 and RT-40, small-frame CTLs, and the RT-65, ASV's newest radial lift CTL offering maximum



ASV added several new dealers to its dealer network in the final months of 2018. The dealerships serve the Southern and Southwestern U.S. and Southeastern Canada. The new dealers offer ASV's full line of skid-steers and compact track loaders, including the new RT-65 Posi-Track loader.

serviceability, reliability, and productivity. The companies will also carry ASV's skid-steer loaders. All ASV dealer locations can be found at [www.asvi.com](http://www.asvi.com).

## ASV Announces New Product Reliability & Testing Manager

Nick Schrapp has been promoted to product reliability and testing manager for ASV Holdings, Inc. Schrapp will be primarily responsible for managing product testing, reliability, and



field issue resolutions involving the manufacturer's products. This includes monitoring new and existing machine performance on a rigorous test track, and making changes to improve performance and longevity. Schrapp brings 20 years of experience in equipment manufacturing to his new role. Previously he worked as a design engineer at ASV, researching innovations and ideas to design products that make life easier for the end user. During that time, he played a key part in designing some of ASV's current compact track loader lineup.

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

## Husqvarna Opens New Distribution Center

Husqvarna Construction Products has expanded with a brand new 150,000 ft<sup>2</sup> (13,935 m<sup>2</sup>) distribution center. Located in Lenexa, Kan., just one mile from the company's Olathe, Kan., headquarters and central warehouse, the new distribution center now houses all of finished goods, which will allow for an increase in Husqvarna's manufacturing capabilities. The size and layout of the new facility increases receiving and shipping capabilities threefold, while also allowing Husqvarna staff to process up to five times the amount of daily inbound inventory. Sixteen new staff members have been added as well.



## Robby Bosch and Bobcat - Man and Machine Interaction

Bobcat management nominated Robby Bosch, a Senior Field Product Trainer at the company, was one of three Working Heroes selected for the 2019 edition of Bauma, the world's largest exhibition of construction machinery. Working Hero is the first Web TV series of its kind in the construction machinery industry. By sharing stories about key figures such as Bosch — their everyday events, their challenges and their successes — the format spotlights their importance to the industry. Prior to joining Bobcat as a Field Sales Trainer in 1981, Bosch already had six years of experience as a Service Manager with a Bobcat dealer in his native Netherlands. He was awarded his first Bobcat loader certificate in 1975 after a week-long training session on the Bobcat M371 and M611. Since then, Bobcat machines have always been a central part of Bosch's working life. His move to Bobcat in 1981 marked the start of a career in which he first promoted Bobcat machines as a Field Sales Trainer in Africa, Europe, the Middle East, and Russia. After his exceptional time with Bobcat, Bosch will retire this year. But the company will continue to play a big role in his life. Bosch owns one of the most comprehensive private collections of construction machine models in the world—more than 5,000 unique items that are housed in a dedicated room at his home.

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



## Volvo CE names Alta Equipment 2018 Dealer of the Year

Volvo Construction Equipment North America has named Alta Equipment Company its 2018 Dealer of the Year. The Detroit, Michigan-based company demonstrated outstanding performance over the last year, when it intensified its efforts to improve customers' experiences and entered a new market, Illinois, reinforcing Volvo CE's presence in the Midwest. Volvo CE Dealer of the Year Award recognizes the dealership in North America that best promotes the Volvo brand and the company's core strategies: to provide the highest uptime in the industry, offer unique customer solutions, and ensure the best value at any stage in a machine's lifecycle.

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

## Volvo CE Names Scott Young VP for Uptime and Customer Support

Volvo Construction Equipment has appointed Scott Young as vice president uptime and customer support for the company's Americas sales region. Young will support both North and Latin America teams on developing and implementing projects and strategic plans aiming to increase machine uptime and customer support, including further developments of Volvo CE's telematics program, ActiveCare Direct. He and his team will work together with Volvo CE's dealer network to support the implementation of new technologies and new business models.

Previously based in Eskilstuna, Sweden, Young will now work from the Shippensburg, Pa., office, reporting to Americas sales region president Stephen Roy.



## Steelwrist and SVAB Hydraulik Sold to Swedish Investment Company

The Swedish investment company Solix has acquired all shares in Terratech AB, owner of Steelwrist and SVAB Hydraulik. Steelwrist is a world-leading player in the market for tiltrotators, quick couplers, and work tools for excavators. SVAB Hydraulik is the market leader in control systems for tiltrotator and work tools, also mainly for excavators. The acquisition is part of Solix's strategy to acquire Nordic industrial companies with a strong product portfolio and with significant international growth potential. Along with its core product lines, Terratech has several new products such as Tool Recognition, Tool Tip Control, and the Quantum control system platform, which create very large productivity increases for excavators worldwide.

"We have a very good and forward-thinking cooperation with our OEM customers," says Stefan Stockhaus, CEO of Terratech and Steelwrist. "Our tiltrotators and quick couplers are increasingly mounted on the excavator directly from each customer's excavator factor. This allows us to support our own international expansion, as well as that of our OEM customers. Product development together with our most important customers will continue to be very high on the agenda."

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



# Talbert Names 2018 Dealer Award Winners



**Talbert Manufacturing names Hale Trailer Brake & Wheel of Voorhees, N.J., as its Top Dealer for the 11th straight year.**

Talbert Manufacturing has named **Hale Trailer Brake & Wheel**, headquartered in Voorhees, N.J., as its top dealer for the 11th straight year. This award recognizes a Talbert dealer for outstanding performance in trailer sales, service and parts. Hale is a full-service trailer dealership that sells new and used trailers and related equipment. The dealership also rents trailers, sells commercial trailer parts and accessories, and provides general trailer service and repairs. Talbert also named **Reno's Trailer Sales & Rental of Belle Vernon, Pa.** as the Most Improved Dealer of 2018 and one of the Top 10 dealers overall. Reno's Trailer Sales & Rental is a leader in the open deck market, specializing in flatbeds, drop-decks, lowboys, RGN's, specialized heavy haul, and tag-a-long trailers.

Talbert's other top dealers, based on 2018 sales, include: **Carrier Centers** has six locations serving southern Ontario. As a full-service dealer, they offer financing, parts and service. The company is an award-winning International dealer recognized for their leadership and customer service. **Coogle Truck & Trailer Sales, Otterbein, Ind.**, features a wide selection of new and used trailers for sale or rent and a fully stocked parts department. The family-owned company also offers custom trailer modifications and full-service repairs. **Freightliner of Grand Rapids and Kalamazoo, Mich.**, has a trailer division that specializes in the construction, material hauling and agricultural trailer business. Since 1978, the company has offered customers one of the most expansive and diverse used truck inventories in the U.S.

**J & B Pavelka Truck & Trailer Sales** in Houston and Robstown, Texas, is new to the top dealer list but has been a well-performing Talbert dealer for several years. They offer a large selection on new and used trailers and their parts and service department utilizes their full-service shop for quick, efficient repairs. **Leslie Equipment Company, Cowen, W.Va.**, is a consistent top Talbert dealer that has provided quality construction, forestry, mining, and oil and gas pipeline equipment for more than 45 years. The company is an award-winning John Deere dealer with eight locations throughout Kentucky, Ohio, and West Virginia. **Lucky's Trailer Sales of South Royalton, Vt.**, is a family-owned business that has been a top Talbert dealer for many years. The company features a complete line of construction, travelling axle and tag-a-long trailers, a large, well-stocked parts department and a full-service repair facility. They have multiple locations in Vermont as well as in Dunn, **N.C. Remorques Lewis of La Présentation**, Saint-Hyacinthe, Québec, is a full-service general and specialized heavy-haul trailer dealer and has been selling Talbert trailers for over 20 years. **Royal Truck & Trailer Sales & Service Inc.**, with four locations covering northern and eastern Michigan, Royal carries a wide selection of new and used trailers for sale. The company also offers wheel reconditioning, service and fabrication and has one of the largest parts departments in the industry.

Talbert boasts more than 80 dealers across North America.

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



## C&D World 2019 a Hit in the Big Apple

The leaders of the C&D recycling industry gathered in Brooklyn, N.Y., in March to hear an economic forecast for their industry, how to get and retain workers, and several materials specific sessions as part of C&D World 2019. A highlight of the show was a discussion on diversification of a recycling business, presented by Katie and Tara Sheehan of the Sheehan Group of Companies, England. Their company not only collects, processes and creates end products, especially in the recycled aggregate industry, but it then uses those materials to make construction products that are used in their own construction projects. Such green-based actions have proven very popular with their customers, they reported.

Economic forecaster Alex Chausovsky of ITR Economics presented a less than rosy outlook for the North American economy, expecting bumps later in 2019, with 2020 regaining the growth path. He also provided participants techniques to measure how their companies are doing versus the economy. Almost all companies are looking for workers at all levels, and how to get and retain them was the subject of a panel discussion led by Jim Schug, FMI, and David Coe, Orion Talent. They shared techniques to overcome today's labor challenges. A major issue facing all recycling facilities is fires, often caused by lithium-ion batteries. A panel composed of John Schumacher of Assurance Agency, Ryan

Fogelman of Fire Rover, and Jim Emerson of Starttech; went over techniques to reduce fires, and how reducing risks will reduce insurance costs.

C&D World 2019 also featured presentations on the market status of several materials, including asphalt shingles, recycled concrete, biochar, gypsum, and urban glass. There also was a sold-out exhibit hall that showcased the latest offerings for the C&D industry. Tours were a part of the C&D World again. Cooper Recycling opened up its fabulous new mixed C&D plant to show attendees, while Sims Recycling is a curbside MRF that is considered state of the art in that sector. C&D World 2020 will be held March 11 in Las Vegas, as part of the huge ConExpo-Con/Agg show. Attendees to C&D World will automatically receive badges that will provide access to the big equipment exhibition.

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



**Terri Ward (right), Sparta Manufacturing Inc., is presented with CDRA's 2019 Member of the Year award by association President Terry Weaver.**

## Genesis Attachments Sold to NPK Construction Equipment

NPK Construction Equipment of Japan has purchased Genesis Attachments, ending speculation about the Superior, Wisc.-based manufacturer's future following an aborted purchase by Stanley Group earlier this year. Founded in 1997, Genesis has been a market leader in the production of scrap processing, demolition, and material handling attachments for many years. Along with the company's 117-person US manufacturing operation, the sale also includes European licensee, Genesis GmbH.

In a statement, NPK announced that it has no plans for making significant changes to the business, but will instead focus on "improving the experience for our dealers and end users alike."

Founded in the early part of the 20th Century as Nippon Pneumatic Mfg. Co. Ltd., NPK has designed and manufactured construction equipment attachments since the late 1950's. In 1975, NPK Europa B.V. was established in Rotterdam, Holland to expand sales channels in the European

Community. By the mid-1980s, NPK was a well-established, highly reputable manufacturer of hydraulic hammers, crushers/pulverizers, shears, and pile drivers. In 1985, the organization established NPKCE to provide exclusive distribution and product support for the western hemisphere.

In the years since, NPKCE has added manufacturing and machining facilities transforming the company into a fully-fledged designer, manufacturer, and assembler of quality construction and

demolition attachments and pedestal boom systems. Late in 2013, NPKCE entered into a partnership with European mining equipment manufacturer, Hermann Paus Maschinenfabrik, of Emsbüren, Germany, serving as the exclusive distributor of Paus mining vehicles in the U.S. and Canada. This led to the establishment of NPK Mining Equipment LLC in 2018, and the launch of a new branch in Elko, Nev., dedicated to the sales and service of Paus vehicles in the west.

# Bauma R

## World's premier construction exhibition offers a lot of everything... and then some.

If you've never attended Bauma, the triennial construction trade show in Munich, Germany, there's one fundamental rule that must be understood: you won't see it all.

That's especially true when you're talking about 2019's record-setting edition that offered 3,700 exhibitors from more than 60 countries, all somehow neatly organized across multiple buildings and expansive outdoor demonstration areas that make up the sprawling Messe München exhibition center, located east of the city.

To be sure, time is on a visitor's side, as Bauma runs for a full week. And because the show encompasses mining and other related industries, seeing every exhibitor's booth in every corner of Bauma's 6.6 million ft<sup>2</sup> (614,000 m<sup>3</sup>) layout isn't a necessarily a priority. But with such an eye-popping bounty of machines and equipment and nearly everything else, you can't help but wonder what novelties may await down the next bustling aisle.

And we do mean bustling. Bauma 2019 attracted more than 620,000 visitors, up 40,000 from 2016's show. That's nearly five times the attendance count at the 2017 Conexpo-Con/Agg, which is mind-boggling in and of itself. Just under half of Bauma visitors came to Munich from outside Germany, representing more than 200 countries. That that made for an interesting cacophony of languages and accents, but barriers were few as most exhibitors spoke English. (Good news for certain U.S. journalists whose pre-Bauma language preparations pretty much began and ended with mastering "eine bier, bitte.")

While all those visitors from all corners of the world didn't see everything at Bauma either, they still saw a lot.

One of the show's recurring themes was manufacturers' ongoing efforts to minimize their products'

environmental footprint. Achieving emissions reductions comparable to the US EPA Tier 4 Final requirements was a milestone rather than the end of a journey, as manufacturers are now tackling the European Union's Stage V emission requirements, as well as local directives to minimize jobsite noise and other issues.

That made Bauma 2019 the ideal setting to showcase manufacturers' advances in electrical drive, alternative fuels, and battery-powered technology. Examples ranged from Volvo's line of battery-powered compact excavators and wheel loaders to Atlas Copco's new range of clean drive technology equipment, particularly E-air electric-powered portable compressors and the near-silent battery-powered HiLight Z3+ light tower. Similarly, variable speed technology in the company's new QAS VSG generator offers less fuel consumption and emissions together with a smaller footprint.

Technology was likewise a common theme. As in the U.S., the robust construction market has exacerbated shortages in skilled construction labor and increased pressures on profitability. As a result, Bauma illustrated how what were once "gee-whiz" features of intuitive machine controls and data-collecting tools (a.k.a., telematics) are now offered as standard equipment,



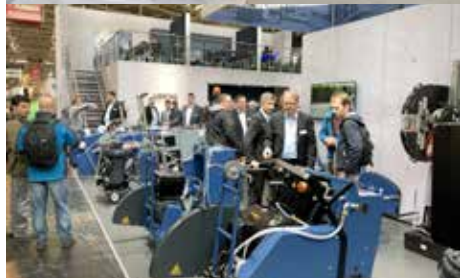
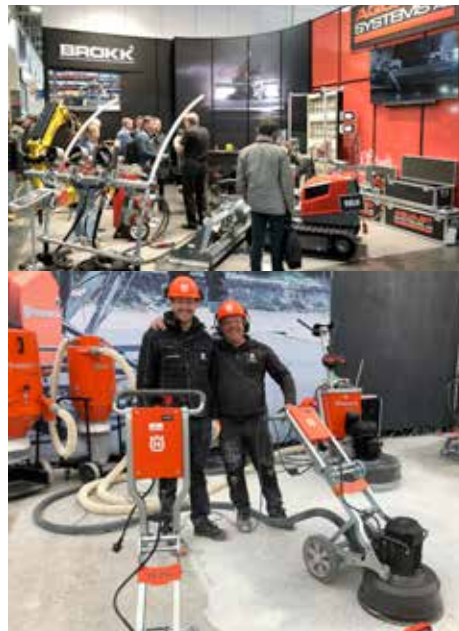


# ules!

shows







helping owners get a head start on training new operators and keeping experienced old hands on the job as long as possible.

Demand for and opportunities to provide such technologies lured providers from around the world, including U.S.-based ORBCOMM, which launched an enhanced web platform and telematics devices that the company claims facilitate faster, more reliable monitoring of construction equipment in remote locations, and management of mixed fleets.

Susan Rutherford, ORBCOMM's vice president of marketing, told PDA that the company is also responding to an industry-wide push for more data to support analytics for maintenance and efficiency improvements. As is often the case with new technologies, even customers who appreciate the value of telematics may be overwhelmed by the sheer volume of data that's available.

Working with manufacturers, Rutherford said, "we can help tailor the data down to what users want and need to have."

Perhaps the most pervasive—and pleasant—takeaway from Bauma was an overall sense of optimism about the construction industry's near-term prospects, an upbeat feel that transcended all the aforementioned languages and manufacturer displays. Despite several months' worth of generally gloomy market forecasts from manufacturers and industry analysts, Bauma organizers reported that on-site sales were the highest in the show's 65-year history. The absence of "barkers" and other attention-getting stunts indicated that many visitors needed little incentive to sit down with exhibitors, talk business and make deals to beef up their fleets, or compare products for upcoming purchase decisions.

And it wasn't just new equipment that attracted attention. In a setting reminiscent of off-track betting parlors, Ritchie Auctions allowed visitors to its stand to join Internet bidders in vying for a variety of used construction equipment, all demonstrated via satellite connections from locations halfway around the world.

So with a highly successful Bauma in the books, attention turns to ConExpo-Con/Agg, which will take the industry stage in Las Vegas next March 10-14. As World of Concrete will have occupied the same spaces five months earlier—likely smaller as is usual in a Conexpo year, but hardly a mere warm-up act for its larger cousin—contractors on this side of the Atlantic will have a unique double dose of product innovations and industry buzz (a trifecta if one counts the National Demolition Association's show in Austin in late February).

While it's true that many of new products and equipment displayed at Bauma will make their North American debuts later this year or in 2020, with the added bonus of Las Vegas glitz and desert sun as backdrops, it will be interesting to see if the same upbeat aura that defied Bauma's cloudy skies and un-spring-like temperatures will result in similar high levels of attendance and deal-making.

To be sure, the two megashows have as many similarities as differences. Some are obvious, others less so. What sets Bauma apart is not just its size or scale, but its pervasive evidence of the sheer scope and diversity of the world's construction industry, and the collective brainpower invested by manufacturers to make everything from cutting concrete panels to literally moving mountains as safely, productively, and efficiently as possible.

Put simply, Bauma is in a class by itself. And though you won't see it all, taking in as much as possible still means you've seen quite a lot.

[www.bauma.de](http://www.bauma.de)









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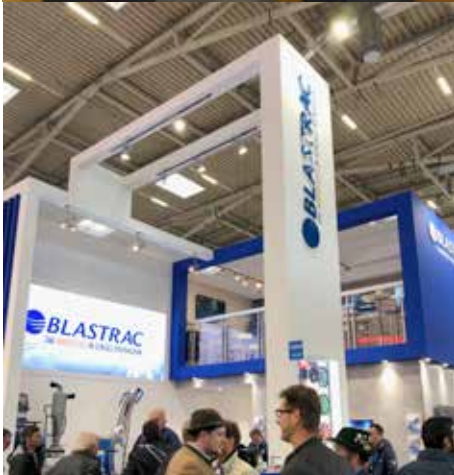
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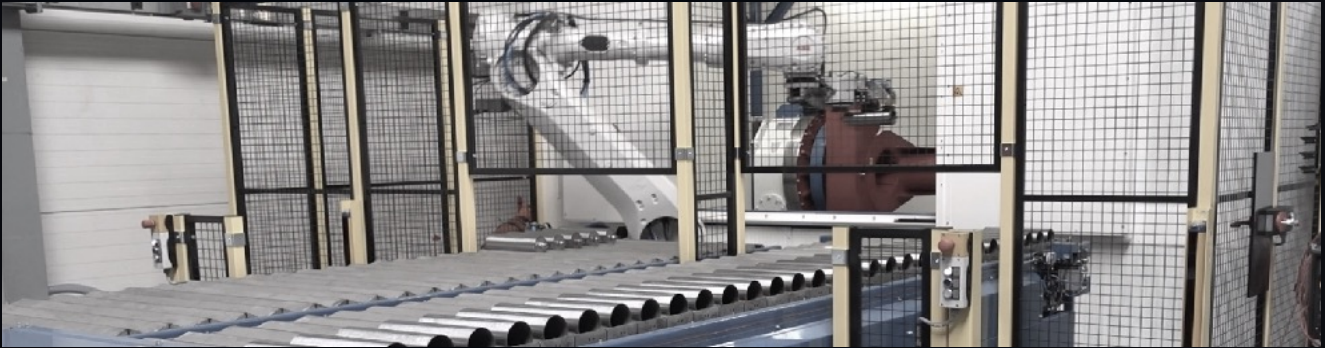








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# Next Generation of Pentruder Approaching

The market is waiting for the next generation of Pentruder equipment. "It is getting closer now", says Anders Johnsen. "But everything needs to be perfect.", he adds.

When developing the third generation of Pentruder concrete cutting machines, Tractive wasn't interested in compromises.

"When we made up the plans for the third-generation concrete cutting machines, the Pentruder HFI-system, a set of very tough targets were defined," says Anders Johnsen, who leads the Tractive product development team. One very important target, he adds, was to in the best possible way, respect customers' desire for lower weight machines, without compromising performance, productivity and ease of use.

## New Ground Breaking Technology

In the quest to reach all the tough targets, the development team had to invent and define new ground breaking technology. The current line of Pentruder HF products are the most powerful, reliable and the most productive machines on the market, so the new HFI-machines had to be clean sheet designs, carrying over basically no technology from previous generations' high frequency or hydraulically driven machines.

"Every concept and detail design had to be significantly improved upon and refined," Johnsen says.

One example is the new RS2 wall saw, which to meet legislative requirements just not would be allowed to weigh more than 55 lb (25kg), which in many places is the limit for one-person operation. Tractive teamed with its development partners to break new ground in



Pentruder product development leader Anders Johnsen (right) collaborates with production technician Stefan Rabb.



Tractive's operations manager Kristoffer Johnsen (left) and production engineer Christer Axelsson.

the field of motor drives and motor design, Johnsen says. Specially designed motors and drives give the new generation Pentruder machines high productivity, reliability, and ease of use. In the new HFI-system, Tractive offers a true modular future oriented platform, where a small and lightweight powerpack drives a wide range of products.

## Built to last

Tractive wants both new and older Pentruder machines to perform at the highest level for many years to come.

"There is nothing more rewarding than having a customer hand in a ten or even 20-year old saw for service and then just go out and cut again," adds Johnsen. "We have the same design strategy with the new HFI-system."

Tractive is a relatively small, family owned company with a long term strategy. Anders and Ingrid Johnsen, who started the company, have a long history in the concrete cutting business, and have for many years now been joined by their children, who run the day to day business.

"We are investing heavily in machinery equipment to meet the expected increase in sales," says Kristoffer Johnsen, head of operations. "It's definitely been the right thing to do for Tractive to keep production as much as possible in-house. In this way, we can keep full control over quality. With modern, state-of-the-art manufacturing equipment, it is very efficient."



Tractive's marketing manager Marie Peil (left) and CFO Jenny Muda.

Marie Peil, marketing director at Tractive adds, "We are really happy with the path we are on, and plan to continue bringing innovative machines to the concrete cutting market with the aim to improve the everyday life of the concrete cutting operator."

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



Discussions in the wall saw assembly between, from left, Product development team members Rickard Larsson (left), Jan-Erik Malin, and Lasse Israelsson discuss a wall saw assembly.





# Brokk Adds New Service and Training Center and Fleet Managers



**Brokk Inc. has opened the doors to its new Demonstration and Service Center in St. Joseph, Missouri, expanding its North American coverage and bringing the number of locations to three.**

Brokk has opened the doors to its new Demonstration and Service Center in St. Joseph, Mo., expanding its North American coverage and bringing the number of Brokk locations to three. Randy Glidewell and Mike Brott join the Brokk team at the new facility as fleet service manager and service technician, respectively. With the acquisition of Aquajet Systems AB in 2016, Brokk realized there was a need for a centralized location in the Midwest to demonstrate machines from both companies. The 10,000 ft<sup>2</sup> (929 m<sup>2</sup>) facility incorporates

**Image below: Brokk's 10,000 ft<sup>2</sup> (929 m<sup>2</sup>) facility incorporates an outdoor proving ground with various concrete structures to prove out the power and precision of Brokk and Aquajet products, including simulated USDOT materials and steel reinforcement configurations.**



**Brokk's new facility houses an extensive inventory for both companies, giving customers the opportunity of a hands-on experience to help them choose the Brokk and Aquajet models and attachments best suited to their needs.**

an outdoor proving ground with various concrete structures to prove out the power and precision of Brokk and Aquajet products, including simulated U.S. Department of Transportation materials and steel reinforcement configurations. The building houses an extensive inventory for both companies, including a Brokk service fleet of more than 20 machines, for demonstrations, purchase, or lease, giving customers the opportunity of a hands-on experience to help them choose

the Brokk and Aquajet models and attachments best suited to their needs. The facility also offers a complete service complex with a wash bay, workshop, and welding station, allowing for more convenient access and quicker turnaround on service. Brokk reports that several customers have already sent in their older machines for refurbishing. The new facility will also offer exclusive training opportunities.

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



## New Variable Speed Generator from Atlas Copco

Lack of fuel efficiency and managing variable loads are now a thing of the past with the introduction of Atlas Copco's QAS 60/35 VSG Variable Speed Generator. The superior low-load performance of the QAS 60/35 VSG, which features automatic variable speed control from 950 to 2550 rpm and an integrated energy storage system, enables fuel consumption levels to be reduced by up to 40% against traditional fixed-speed generators. At the same time, it helps increase reliability in applications with an average load of less than 20%. The integrated energy storage system helps increase peak power capabilities by 70 per cent, matching the performance of a 60 kVA prime power generator. In addition, the QAS 60/35 VSG enables operators to reduce their carbon footprint, by offering CO2 emission reductions of up to 40%.

The plug-and-play, environmentally-friendly QAS 60/35 VSG is housed in a robust, sound-attenuated Zincor steel enclosure that is up to 55% smaller than comparable units. The QAS 60/35 contributes to operators' uptime, productivity and revenues through service efficiency and extended engine lifetimes. A maintenance interval of 500

hours is made possible by the unit's heavy-duty fuel filtration system and water separator. Similarly, engine lifetime is extended as a result of the dual stage air filter and safety cartridge features. Moreover, the new QAS 60/35 VSG allows customers to downsize and optimise their fleets, as one unit can replace up to six power nodes of a typical fixed speed generator from 9 kVA to 60 kVA. With a 1-to-1 ratio motor start capability, the QAS 60/35 VSG is the ideal source of high starting current for the electric motor drives of site equipment such as construction tools, cranes, pumps, or electric compressors. What's more, the stable frequency and voltage makes it the solution of choice when coping with sensitive loads such as electronics equipment applications.

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



## Dynaset HPIC Hydraulic Pressure Intensifier for Cylinder

Dynaset HPIC Hydraulic Pressure Intensifier (HPIC) boosts hydraulic pressure in order to increase the power of hydraulic cylinders. It is a compact and powerful unit for boosting the pressure in any hydraulic system.

HPIC uses the power from the base machine's hydraulic system to increase pressure level only when needed without hindering the cylinder's designed use. This is a great tool for pulverizing and wedging applications. It boosts the pressure up to 10,153

psi (700 bar) and flow up to 8 gallons/min (30 litres/min). The pressure and flow levels are fully adjustable with HPIC.

The compact design of HPIC allows fitting it into the hydraulic system even on smallest machines. The power booster enables to use more powerful tools on your machine. It is a great addition for demolition machinery, excavators, tractors, low-pressure vehicles, and ROV units.

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



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# The New Brokk 70: 100% More Power

The new BROKK 70 is the perfect solution for bringing safe, mechanized and efficient demolition to the most confined spaces. Compared to its predecessor, the Brokk 60, the new model packs more than 100% more demolition power, comes with the latest innovative Brokk SmartPower™ technology, as well as a powerful and fine-tuned hydraulic system.

The Brokk 70 is a testament to the technical advancements of Brokk over the last decade. It takes Brokk's signature expertise in bringing maximum power into a small package, to the smallest demolition robot in the world. The innovative Brokk SmartPower™ electric powertrain increases its power to 13 hp (9.8 kW) and enables the demolition robot to power twice the size breaker as its predecessor. Taken together this leads to a 100% increase in demolition power over the the Brokk 60. The combination of Brokk SmartPower™ technology and Brokk's upgraded hydraulic design leads to both smoother and more precise movements, making the machine smoother and faster to operate than ever before. Furthermore, the stronger hydraulics and completely redesigned mechanics of the

machine enables it to carry and wield heavier and more powerful attachments.

The Brokk 70 comes with several brand new attachments. The new BHB105 breaker, weighing in at over 220 lb (100 kg), comes with advanced features such as water spray to suppress dust and air cooling for hot environments. The new Brokk BDC40 drum cutter brings real cutting power

to the smallest segment of demolition robots for the first time. And the new Brokk G32 demolition grapple is the tool of choice for more efficient soft demolition.

Still, the Brokk 70 keeps the same extremely compact dimensions as its predecessor. All this power and technology comes in a package that weighs only 1,235 lb (560 kg), fits through the narrowest doorways and can be transported in an ordinary passenger elevator. And very importantly, it still runs on only a 16A fuse.

"The Brokk 70 takes Brokk's power-to-weight ratio to new heights enabled by the unique Brokk SmartPower™ technology. And with its compact dimensions, it is truly a demolition robot that eliminates all need for manual demolition work," says Martin Krupicka, CEO of Brokk Group.

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



## New Drill Bits from Hilti

Hilti's next-generation TE-YX hammer drill bits offer faster drilling, more strength, and a lifetime of productivity. Its innovative design consists of a six-sided full carbide head to drill faster in rebar with less jamming that often occurs with four-sided drill bit heads. In addition, all TE-YX drill bits feature a wear mark indicating the correct diameter for anchor setting. Because the bit helix is never machined or welded, operators enjoy a lighter weight and more body strength. TE-YX is the only SDS Max bits offering a warranty, meaning it can be replaced as long as the wear mark is visible.

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

## NFE Releases ION4K Clean Air Companion Machine

National Flooring Equipment has released the ION4K to help create a safer environment for contractors and workers. The ION4K is a compact machine that electronically charges the air in the room, bringing dust particles and other contaminants down to the ground quickly and efficiently. Working on job sites where airborne dust is present can have serious health implications for contractors. The Occupational Health and Safety Administration has already put regulations in place to protect workers on job sites where dust is present, but more can be done to ensure the safety and efficient clean up of dust particles. This is where the ION4K comes in. The ION4K pulls the dust from the air to the ground over a range of 260-2,000 yd<sup>3</sup> (199-1,529 m<sup>3</sup>), creating safer, cleaner working conditions for demolition and renovation projects requiring fast and extensive clean-ups. This includes schools, hospitals, airports, and other locations that will likely become crowded soon after the job is completed. The machine features a multi-speed fan, which is flexible for varying jobsites, locking caster wheels and sturdy handles for easy transportation and manoeuvring. Its simple control panel, which requires minimal input from the user allows more time to be spent on other tasks, increasing the speed at which the job can be completed.

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



## Dymatec's Product Testing Makes the Cut in the US

Since launching in the US market earlier this year, Dymatec's range of saw blades has been put to the test in varying aggregate throughout the country. Territory Sales Manager David Conn has been visiting specialist contractors to undertake product testing.

"After a couple of months getting the product out and testing the production, I'm delighted to say that the results are very promising," Conn tells PDA.

Conn adds that hand sawblades have been cutting very fast and have had great results from Florida to Indianapolis. Dymatec's slab saw blades have also proven to cut very fast and cope well with many different types of concrete.

"We will be testing our wall saw blades in Mississippi shortly and I look forward to the results," Conn adds.

Sales in the US market are performing well in all areas. Dymatec's recent promotion on slab saw blades has had a



positive impact. Jeremy Newton, president of Dymatec LLC, notes that while Dymatec has exported to the US for several years, the company's commitment to the market through investment in operational facilities, "enables us to design and test products more specifically to ensure they are meeting the needs of our customers here in

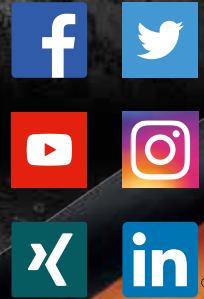
the States, and fine tune them to deliver superior results cut after cut."

The Dymatec sales team is actively meeting customers and carrying out product testing. To find out more and book an appointment, contact David Conn at 256/444-5699 or 727/748-4934 or visit [www.dymatecusa.com](http://www.dymatecusa.com).





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# Updates from Conjet

At the recent Bauma trade show, that was held in Munich, Germany, the hydrodemolition equipment manufacturer Conjet released a number of novelties. Here is a summary.

## Conjet Releases CWS620 Water Separation System

In many areas of the world, wastewater generated by hydrodemolition operations cannot be recycled into the sewage systems, due to high content of solid particles as well as too high pH-value. Conjet's CWS620 takes care of this problem. Using two cyclones and injecting CO<sub>2</sub> gas, the water is relieved of 97% of the solid particles while the pH-value is reduced from 12-13 to a set value of 7-10 (depending on local regulations and requirements). The CWS620 is equipped with a monitoring and control system that logs the pH-value over time and regulates the supply of CO<sub>2</sub> gas. It also shuts off the sludge pump when water level is below a minimum set point. The monitoring system logs data which can be exported onto a removable media (USB) for later analysis. The treated water can be used to flush the demolished surface or recycled into the sewage system.



## New Graphical User Interface for Conjet 7-Series Robots

Conjet AB releases a new Graphical User interface for all 7-series robots. The new interface is developed for work at a safe



distance. Users operate the robot through the interface on the machine or on the remote-control box, as they are identical. The interface consists of two separate parts, one focused on operation and the other focused on service. The settings are easy to reach with just a push of a button. The interface also gives the operator instant feed back on the set parameter.

The display, located on the robot, is a 7-in (178-mm) Color Screen with a resolution of 800 x 480 px. One of the most important updates is that you maneuver between controls and options using a rotary encoder. The color display will be available on all Conjet 7-series robots. The Conjet Color Display remote control box is equipped with a 4.3-in (109-mm) LCD - 480 x 272 px color display with .08-in (2-mm) thick, protective Gorilla glass. It utilizes the surrounding light to give a sharp and clear image in more difficult environments (i.e. bright sunlight). The technology is developed to be power-saving.

"We have focused on simplicity as well as a steep learning curve during all phases of

development. We want anybody to be able to understand how the robot works and how to use it, without compromising safety", says Conny Tångring, Service Manager at Conjet. "A built-in guide shows the user how the robot is controlled and set up so that even inexperienced users can work safely."

With the Conjet Color Display the user is able to steer and control every aspect of hydrodemolition at a safe distance. The operator doesn't need to be close to the robot during operation. Should a fault arise, a comprehensive trouble shooting guide is presented to the operator. All existing robots in the 7-series can be equipped with the new interface.

## Conjet AB Releases New High-Pressure Lance

Conjet AB releases a high-pressure lance and a wear resistant nozzle nut. Rated at 43,511 psi (3,000 bar) the lance can be used in single pump mode or in tandem mode connecting two pumps directly to the lance. It suits all robots in the 7-series as well as all earlier robots. The lance handles up to 37 gallons/min (140 litres/min) and can be fitted with ceramic nozzles. It can also be extended to suit different applications. The reinforced nozzle nut works with an exit hole of .2 in (5 mm). A carbon steel plate has been added to the nozzle nut tip to increase the operating life significantly.



## Conjet Releases PTS (Parallel-to-Surface) Cutting Head

Conjet's new parallel-to-surface (PTS) cutting head contains a variety of innovations to further improve reliability and the result from the hydrodemolition process. The PTS cutting head has been developed to house several improvements of the movement and control of the water jet. With the PTS, the nozzle is moved parallel to the surface when changing work direction. Absolute sensors, which eliminate the need for calibration,

are now in place on both axes of the lance movement. A rugged mechanical design ensures smooth movement of the lance while maintaining total control of the lance.

With an angle of 45 degrees in both directions (left and right), cleaning behind rebars is easy. In combination with Variable Oscillation System (VOS) cutting concrete has never been easier. Rather than the old, time-consuming process of adjusting oscillation width, operators can make changes from the control panel, or as a set parameter for the cut. That means that users can do a set number of overpasses with one width, and a different number passes with another width. As a result, the robot can expose rebars and cut much more accurately within a set parameter range. In addition, the PTS cutting head is equipped with quick couplings for hydraulic lines as well as a heavy-duty connector for the electric signals. This solution makes it very easy to extend or replace the hose package if needed.

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



## Kolberg-Pioneer Launches Water Clarification Systems

Kolberg-Pioneer, Inc. has partnered with Tecnoidea Impianti to offer water clarification systems in North America. The clarification systems accelerate the process of filtering fines from dirty water for reuse in the processing plant. These systems are designed to eliminate the need for large and expensive settling ponds by recovering up to 95% of the water that flows to the clarification system. This allows producers to use significantly less water in their system.

The water clarification systems will

include: flocculation preparation units, static vertical settling tanks, thickened sludge tanks, side and overhead beam plate presses and other accessory components.

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

## Johnson Crushers Launches New Kodiak® Plus Cone Crusher Model

Johnson Crushers International Inc. has expanded its Kodiak® Plus cone crusher series with the new K350+. This mid-range model offers higher production with

a smaller footprint. Compared with the K300+, the K350+ combines improvements in drive train, stroke, horsepower, weight, head diameter, and hold-down force to boost capacity by as much as 10%. With the same bolt pattern, the new cone can be mounted in most current K300+ applications.

Like other cones in the Kodiak® Plus cone crusher series, the K350+ will feature an industry-leading tramp iron relief system, fully-protected internal counterweights, precision roller bearing design, patented liner retention system, and 360-degree

thread locking ring for consistent product quality.

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





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### INTERFACE

The new interface is developed for work at a safe distance. You operate the robot through the interface on the robot or on the remote control box. They are identical. The interface consists of two separate parts, one focused on operation and the other focused on service. The settings are easy to reach with just a push of a button.

### COLOR DISPLAY

The color display located on the robot is a 7" screen with a resolution of 800 x 480 px. It has nine push buttons and a rotary encoder. One of the most important updates is that you maneuver between controls and options using a rotary encoder instead. The color display will be available on all of Conjet's 7 series robots.

### REMOTE CONTROL BOX

The remote control box, Conjet Color Display, is equipped with a 4.3" LCD color display with 2 mm thick, protective Gorilla glass and a resolution of 480 x 272 px. It utilizes the surrounding light to give a sharp and clear image in more difficult environments. The technology is developed to be electricity-saving. The operator no longer has to be close to the robot during operation. Instead, the operator can control every aspect of the hydrodemolition at a safe distance.



## SAFE HYDRODEMOLITION WITH CONJET



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## Swedish Quay Rehab a Definite Edge

Renovating the Masthamnens quay in Stockholm includes a requirement for smooth edges is required. And the tools of choice for the job are Conjet's 557 and 367 hydrodemolition robots. Waterjet Entreprenad AB is tasked with removing approximately 5,650 ft<sup>3</sup> (160 m<sup>3</sup>) of damaged and old concrete from the quay, which consists of a large beam that needs repair on all sides. The Robot 557, a diesel-driven unit on tracks that is the latest addition to Conjet's 7-series robots, will be used for topside hydrodemolition, with the contractor maximizing use of the heavy-duty Multi-Purpose Arm. The wheel-based Robot 367, equipped with the same type of MPA will be used for outside hydrodemolition utilizing the rigidly constructed arm and chassis.

"The robots are well suited for this type of work", says André Jansson, worksite manager at Waterjet Entreprenad AB. Operators can cut up to 6 in (150 mm) deep in a total area of 11,840 ft<sup>2</sup> (1,100 m<sup>2</sup>).

The hydrodemolition is powered by two Hammelmann high pressure pumps at 670.5 hp (500kW) producing about 70 gallons per min (260 litres/min). The Super Silenced model will work at ~69dB(A) at 23 ft (7m).

**Outside quay demolition.**

A hand lance pump from Hammelmann is also used on the project. Two barges are placed alongside the quay for the cleaning work being performed with the hand lance. The barges also serve as a collector of the debris from the robots work preventing the debris from falling into the water. Sweden's Environmental Directives are clear on the handling of debris as well as noise pollution.

There are quite a few jobs running on quays in the Stockholm area. Waterjet Entreprenad AB has been awarded two larger contracts in parking garages that will keep them occupied over the winter.

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



**The new Conjet controlbox linked to the new interface.**

## GSSI in Jamestown Rediscovery Effort



GSSI is continuing its partnership with the Jamestown Rediscovery Foundation to uncover the long-held secrets of the first permanent English settlement in the New World. Located along the James River in Virginia, Jamestown will be commemorating the 400th-anniversary of the first representative government and arrival of the first Africans in this year. To honor these two events, the Jamestown Rediscovery Foundation is excavating two sites where these events took place in 1619.

Last spring, GSSI archaeologists Dan Welch and Peter Leach, joined Senior archaeologist Dave Givens to help define the landscape of the first Africans. The Angela site, named after one of the first Angolans to arrive in 1619, is located in the "town" portion of Jamestown, a 40-acre (16.1-hectare) landscape that remains largely unexplored. Located on National Park Service property, the site consists of gardens, domestic quarters and, storehouses all belonging to Angela's owner, wealthy Jamestonian Captain William Pierce.

Archaeologists from GSSI, NPS and Jamestown Rediscovery conducted a ground-penetrating radar (GPR) survey in part of the town, which was a huge success. The results of the survey not only clearly defined numerous buildings, boundary ditches, and post holes, but it also added critical information on how the town was laid out.

Building on the success of the work on the first Africans, Welch and Leach returned to Jamestown this summer to help solve a new problem—the site of the first General Assembly in the New World. This site is located inside the Memorial Church, a brick structure built over the original foundation in 1906. Under the floor of the modern church were at least three iterations of churches, all built on top of an original timber-framed structure constructed in 1617. It was in this church that the democratic experiment of

representative government first met in 1619. The goal of the archaeologists is to define the 1617 church and the location where the assembly met prior to the space being converted into a museum in the spring of 2019.

It was at the Church dig site that the GSSI and Jamestown Rediscovery team collaborated to answer some critical questions.

Although the archaeologists are learning as much as they can through excavations, the goal is to preserve as much as possible for the future. Welch and Leach brought a GPR system that isn't normally used in archaeology — the StructureScan Mini XT with the Palm XT antenna. The Mini XT is often used in the remote sensing of rebar, post-tension cables and conduits. This high-frequency GPR system was suspected to be able to give higher resolution of local areas in the church to define activity spaces related to the legislature's first meeting.

A specific part of this survey included burials located in areas that denoted high status. Jamestown records indicate that one burial of interest may be the remains of Sir George Yeardly. The StructureScan Mini XT and Palm XT were used to create high-resolution imagery of the skeletal remains prior to excavation.

Following excavation of the remains, the FBI and Professor Turi King will conduct DNA test on the teeth and skeletal remains. Jamestown Rediscovery will continue their research and archaeological dig of the site.





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# The WOW-Effect at Rockster's Booth



At Rockster's outdoor area, visitors could take a closer look at the Air Blower or the hydraulically foldable screening system of the impactor R1100DS.

At Bauma 2019 in Munich, Germany, Rockster presented its diverse range of products, and immersed the visitors in new fields of interest. Wolfgang Kormann, CEO of Rockster Recycler from Austria, is convinced that the show's 2019 version lived up to its claim of "The World's Leading Trade Fair for Construction Machinery."

"Visitors come from all over the world and the potential of serious prospects is considerable," Kormann. "On the first day, we were already able to sell one of our machines with a patented Duplex-System in combination with a screener to an Argentinian entrepreneur who had never heard of Rockster before."

Rockster presented a diverse range of available machines, such as the R1100DS impact crusher with a screening system and new air blower, the scalping screen RSS410 and the stacker RST23. The Upper Austrians, who are well known for their development of innovative and compact mobile impact crushers, want to offer even more versatile and flexible application options. In addition to jaw and impact crushers, the Rockster portfolio includes scalpers and finishing screens, drum screens, stackers and feeder conveyors. Most of the machines can be ordered with the latest Stage V engines.

"Everything under control" is the motto of the new Machine Monitoring System (MMS), which Rockster first presented at



the Bauma. Rockster Sales Manager Norbert Feichtinger sees the benefits not only in the simpler overview of the machinery or the improved control of machine utilization, but also in monitoring the very handling of the crusher.

"The MMS can check the crusher speed, crusher load, gap setting, and vibrating speed even in real time, so that users can quickly see if there is any need for optimization in machine handling," Feichtinger says. "The owner and manufacturer can react immediately and therefore reduce wear, increase throughput and optimize the crushing result. Quick access to location data, operating hours or fuel consumption provides valuable services especially in the rental business."

Equipped with virtual reality glasses and a controller, interested visitors were allowed to beam in front, behind, on or even into the new R100S impact crusher. They could raise and lower the magnetic separator or screen box, open the crusher chamber, change blow bars, and much more.

"We want to further develop this tool and, for example, use it for training purposes as well," adds Kormann.

When it comes to global support, such technologies are extremely helpful for Rockster. It keeps both dealers and customers up to date, which makes it easier and quicker to implement necessary optimization suggestions.

[www.rockster.at](http://www.rockster.at)



The DB-60 Fusion dust suppressor features a Tier IV Final-compliant generator.

## Mobile Dust Suppression Design Features Tier IV Final Gen Set

BossTek has updated its family of self-powered dust suppression equipment with Tier IV Final-compliant generators with the debut of the new DustBoss® DB-60 Fusion™, a field-proven suppression system driven by a high-reliability 25-hp (18.7-kW) electric motor and paired with a gen set powered by a heavy-duty 4-cycle indirect injection diesel engine. The generator features a dual-containment fuel cell, heavy gauge lockable enclosure and oversized brushless alternator for easy starting.

The new generator series is designed with sound attenuation for excellent noise reduction and a multi-voltage switch with utility power outlet in all voltage modes. The digital engine/generator controller is equipped with single button stop / start and an 80-gallon (302-litre) fuel capacity, giving the units a run time of more than 24 hours at a prime rating of 45 kVa. BossTek warrants the DB-60 Fusion for three years/3,000 hours, with five-year/5,000 coverage on the electric motor and a two-year/2,000 hour warranty on the generator.

The DB-60 Fusion drives pressurized water through a circular stainless steel manifold with 30 atomizing spray nozzles, then launches millions of tiny droplets with a powerful fan that produces 30,000 ft<sup>3</sup>/min (849.50 m<sup>3</sup>/min) of air flow. Atomized mist droplets of 50 to 200 microns in size are thrown out in a 200-ft (60-m) cone at an adjustable 0 to 50-degree elevation angle,

capturing airborne dust particles and dragging them to the ground. Unlike industrial sprinklers used for the same purpose, which can require hundreds of gallons of water per minute, the DB-60 only uses about 23 gallons/min (87 litres/min) to help avoid pooling or runoff.

A touch screen panel for controlling the dust suppression unit is encased in a NEMA 3R cabinet, allowing operators to control oscillation, booster pump, fan and water. The cabinet is constructed for outdoor use, designed to provide protection against solid foreign objects (such as dirt, air (dust, emissions), water (rain, sleet, snow) and ice formation. The system provides valuable mobility and versatility in one of the most popular and effective dust suppression designs on the market, able to deliver up to 62,800 ft<sup>2</sup> (5,834 m<sup>3</sup>) of coverage.

Equipped with an in-line 75 mesh, 200 micron filter, the unit can be specified with special filtration to accommodate non-potable water sources. In addition, the new design can be optimized with a Variable Frequency Drive (VFD) to precisely adjust fan speed. An optional dosing pump is available for precise metering of additives to enhance particle control even further.

BossTek expects to unveil two other Fusion models in early 2019, giving customers the ability to select the size and coverage range needed to best suit their operations.

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



The touch-screen control panel is protected in a NEMA 3R cabinet



Rockster's MMS provides innovative machine monitoring.



## Ergo Climber Delivers Hydrodemolition Power from Scaffolding Pipes



AquaJet Systems introduces the Ergo Climber attachment for its new Ergo System hydrodemolition robot. The Climber attaches to any standard scaffolding pipes and robotically moves along them to deliver powerful hydrodemolition forces for systematic vertical concrete or refractory removal, such as high-rise construction, petrochemical facilities, and other industrial applications.

The Climber's roller beam and hydraulically synchronized left and right climbers robotically move and position the attached Power Head, directing the water jet to remove concrete from areas up to 6.6 feet (2 m) wide. AquaJet's high-pressure Power Pack provides the required water pressure and flow. The Ergo System's controller unit powers and controls the hydraulics. It uses intelligent sensing to allow the operator to program the lance for optimal material removal. The Power Head oscillation is adjustable to 8 or 14 degrees. The lance angle is modifiable up to 45 degrees.

AquaJet Systems designed the Climber with spring-loaded, high-friction rollers that connect to a lightweight roller beam with just one bolt. Contractors attach the all-wheel drive system to scaffolding pipe with two spring-loaded handles — one for the right and one for the left. The system offers a better grip and aids in the consistency of movement. Safety latches secure the handles in the locked position. The Climber travels well over most types and condition of pipe, including bent pipe, pipe joints, aluminum and steel pipe. Operators can arrange scaffolding to maximize the Climber's effectiveness in a variety of applications.

The compact Ergo System serves as an effective alternative to hand lances, producing as much as four times the water reaction force — 1,450 psi (1,000 N) — to remove concrete while leaving steel reinforcement unscathed.

Beyond the simplicity of the single-bolt connection, the Ergo Climber weighs just 48 lb (21.7 kg) and can be carried by one person, making it easier than ever for a contractor to add hydrodemolition services to their offerings. In addition, the Climber system's power head features interchangeable parts with the Ergo Spine and operators can use the Spine roller beam with the Climber, improving convenience for contractors who own both systems.

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



India is growing at a record pace and the construction industry is booming. That has prompted a number of key industry companies to form a new industry trade group, and host a conference dedicated to demolition, concrete cutting, recycling, and remediation. Called DEMTECH, the conference will take place on November 13, 2019, at the Hotel Sahara Star in Mumbai.

### The World's Fastest Growing Market

India is the world's fastest growing market, even faster than China. In 2018, BMP rose by an average of 7%, and included the start of a US\$98 billion investment in new infrastructure. India's overall construction market is similar to that in China, when new cities and residential areas grew seemingly from nowhere. It is estimated that by 2022, India's construction industry will be the country's largest employer, with more than 75 million people. And by 2030, investment in construction projects will reach to US \$ 7.5 trillion. The country currently has more than 200 large construction and civil engineering companies that work throughout the country. Another 120,000 small and medium-sized construction companies focus on local and regional work.

### Great need for demolition, concrete cutting, recycling and remediation

Where construction is going on, professional services are also needed in the field of demolition, recycling of building residues, remediation, concrete cutting, structural dismantling, etc. (The term "demolition" also includes methods with diamond tools such as concrete drilling, floor sawing and demolition with wall and wire saws.)

In order to catch up on the events that are happening in India right now, some key companies in India's demolition industry have joined forces to organize the country's first conference on demolition, remediation and recycling. And demolition professionals around the world are invited to participate.

DEMTECH, to be held on November 13, 2019 at the Hotel Sahara Star in Mumbai. The one-day event will run from 9:00 am to 5:00 pm, and include sessions on a variety of topics such as:

- Current business opportunities in India
- Infrastructure investments
- Construction industry development from today to 2025
- Presentations of major demolition and concrete cutting projects in India
- Product presentations by sponsors
- Recycling & Remediation

In addition, DEMTECH will have a special area for exhibitor booths directly adjacent to the conference room. The conference will

# Demtech: India's First Demolition Industry Conference



conclude with a gala dinner will be held at the hotel. A project group for DEMTECH 2019 is working on establishing the final program for the conference day which will shortly be available on the events website, [www.demtech.in](http://www.demtech.in), and the Indian Demolition Association website, [www.indiandemolition.org](http://www.indiandemolition.org).

### Founding of the Indian Demolition Association (IDA)

DEMTECH will coincide with the official establishment of India's first purely industry association for professional contractors in demolition, remediation, and recycling. One of the driving forces behind the conference and also the founding of the industry association is Mohan Ramanathan who has worked in the Indian demolition industry for decades, and knows both the industry and its suppliers well.

"India is currently in a position in its development with the utmost importance that the industry, its contractors and suppliers, need to gather," Ramanathan



says. "DEMTECH will be a perfect starting point for all the professional players who wish to contribute and take care of the opportunities that the country's strong development offers."

PDa magazine's sister publication, PDi, will serve as media partner for DEMTECH 2019. Organizers are IDA and Riverbends Publishing, LLC. The event is also supported by the International Association for Concrete Drillers and Sawyers (IACDS), and the European Demolition Association (EDA).

### Registration, sponsor opportunities, and exhibition area

The registration fee to attend the conference and the gala dinner in the evening is approximately US\$80. Various sponsorship levels are available. The highest, Headline Sponsor, is exclusive to a single firm, will cost US\$14,400. The Associate Sponsor Level opportunities are available for US\$10,800, while Affiliate Sponsor Level costs US\$7,200.

In direct connection to the conference room there will be a large exhibition area for table top booths. The rate for a table top booth is approximately US\$1,500. Each booth measures around 6.5 x 5 ft (2x0 x 1.5 m), has a table with chairs and room for roll ups. All booking arrangements can be made via [www.demtech.in](http://www.demtech.in).

[www.demtech.in](http://www.demtech.in)



## New Pitbull Grizzly Screen from Lake Erie Portable Screeners

Lake Erie Portable Screeners introduces the heavy-duty Pitbull PB678 Static Grizzly. The compact screen is a smaller version of the popular PB148 for added jobsite versatility and pairs well with the Pitbull 2300 screening plant, making it an economical option for operations looking for a compact solution to sort oversize material on a reduced scale. The PB678 Static Grizzly includes features for easy bar removal or adjustments as well as transportability. It is ideal for a wide range of industries, including aggregates, mining, scrap, excavation, demolition, forestry and landscaping.

Lake Erie Portable Screeners installs each of the screen's 18 bars with two sets of bolts and nuts driven completely through the bar and support. Using only two bolts can save hours of time during bar spacing adjustments or replacements when compared with most competitive models that are either welded on or use three or more bolts that are often threaded through a welded frame member. Not only does the additional bolt result in longer removal times, but the bolts will often rust and get stuck, requiring brute force to remove them or break them off.

The grizzly bars are also self-cleaning. Like most grizzly models, the PB678 features square steel tubes. But, unlike competitive bars that are flush with the edge of the grizzly's frame, the Pitbull bars rest on an angle to create a diamond shape and tapered openings. This virtually eliminates material getting stuck between the bars—a common problem for other grizzly units.

Lake Erie constructed the grizzly with standard "D" ring lift lugs for ease of transportation and positioning. Crews simply attach chains to the lugs and lift the screen with a front-end loader, excavator or crane. With its compact size, the PB678 easily fits on smaller trailers that pull behind pickups or 1-ton rigs for easy transportation from one jobsite to the next.

Lake Erie Portable Screeners built the grizzly emulating the Pitbull 2300's rugged, tubular frame construction. The nearly 2,500-pound screen includes an expansive 48 ft<sup>2</sup> (4.5 m<sup>2</sup>) deck area and a 7.1-ft (2.1-m) tip height. The bars are each 2 in (50.8 mm) wide with .25-in (6.35mm) wall thickness and come with a standard spacing of 2-in (50.8-mm) minus. Lake Erie offers additional bars if smaller openings are required.

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



## Kinshofer X-LOCK Coupler Provides Fast and Safe Attachment Exchanges

Kinshofer offers the X-LOCK Coupler, a safe and quick solution for exchanging excavator attachments on the jobsite. The tool allows the operator to exchange attachments safely from within the cab and features a wedge-locking principal, which allows the coupler to connect to the attachment in two separate places, where competitors only feature one locking point. The X-LOCK Coupler easily pairs with buckets, rippers, rakes and mechanical grabs as well as a wide variety of demolition, recycling and railroad attachments.

Unlike the competition, the wedge-locking principal connects the coupler to the attachment in two separate places and provides a two-and-a-half-fold locking force compared to a pendular jaw quick hitch. This constant applied working pressure continuously readjusts the wedge, keeping both pins firmly against the quick hitch.

Two pressure relief valves operate the wedge, which locks at 1,730 psi (119.2 bar) and unlocks at 3,455 psi (238.2 bar). This ensures the hydraulic circuit is not over pressurized and greatly minimizes wear in the locking area between the coupler and the attachment. A rear lock safety device ensures the wedge does not retract and disconnect the attachment if hydraulic failure occurs.

Additional safety features within the X-LOCK Coupler allow the operator to connect and disconnect safely from within the cab. When connecting, the X-LOCK Safety Knuckle immediately and automatically engages onto the front pin, which can only be released by the operator. The self-adjusting wedge locks the second pin as soon as the lock switch is deactivated, safely securing the attachment.

When disconnecting, the operator unlocks the self-adjusting wedge from the rear pin and unlocks the safety knuckle from the front pin. The coupler is now ready to be removed from the attachment. If the attachment is not fully detached within five to 12 seconds, the coupler will automatically reattach for safety. The auto-lock window time period is customizable. Kinshofer offers four models of X-LOCK Couplers, including Hydraulic Pin-to-Pin, S-Style Nordic Style, and Tilt or Tilt Rotation, and Mechanical Pin-to-Pin.

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

## GSSI Demonstrates UtilityScan® GPR System at Society for American Archaeology Annual Meeting

GSSI highlighted tools for archaeologists at the Society for American Archaeology (SAA) 84th Annual Meeting, held recently in Albuquerque, New Mexico. GSSI displayed the UtilityScan® GPR System, the StructureScan™ Mini XT, and the Palm XT miniaturized GPR antenna for the StructureScan Mini XT.

The UtilityScan is a full-featured, easy to use, and highly portable GPR system ideal for, besides concrete sawing and drilling situations, also for archaeological, cemetery, and forensic work. The system provides excellent resolution, unparalleled data quality, and enhanced depth penetration. UtilityScan incorporates our patented HyperStacking technology, which provides better data in less-than-ideal soil conditions and exceptional resistance to external noise. A state-of-the-art real-time gain algorithm optimizes field data means users spend less time setting up the system and more time collecting data.

The StructureScan Mini XT is GSSI's latest all-in-one handheld GPR system. The Mini XT is a small and powerful system, making it ideal for tight spaces, remote field locations, or other situations that are unsuitable for larger equipment. The Mini XT can reach a max depth of 24 in (610 mm) in concrete and 18 in (457 mm) in soil. The exceptional data resolution is suitable for investigating forensic targets under or within concrete, acquiring detailed GPR profiles of archaeological features or GPR-based stratigraphic recordation. The Palm XT is designed to enhance the capabilities of the Mini XT and is the smallest antenna on the market, making it the perfect tool for small excavation units or other cramped spaces.



## New DYNASET App for Mobile Devices

Dynaset has launched a new Dynaset App for browsing products, and locating Dynaset dealers and service providers. Users can easily get up to date information on all Dynaset products across these categories—Electric-

ity, High-Pressure Water, Compressed Air, Magnet Power, Vibration, Power Boosting, and Know-How. In the App these categories and their products. Product pages provide general information and pictures of the products in use, installations, and machinery for which they are best for. Technical information is found in the data tables and technical data sheets that are also available for download. With the new locator, the user can find closest dealers and Dynaset service providers. The Dealer locator uses mobile devices location data and sorts the closest dealers to a list where one can browse and select the dealers. The map also enables searching and locating dealers even from another side of the world. One can also use the search bar to find the dealers in different locations. Clicking the navigation button on the right side of the screen brings up the route to the dealer's destination.

The App comes in seven languages—English, French, Spanish, German, Finnish, Russian, and Chinese. The user can change the language anytime from the downright menu on the taskbar. In the near future, an offline update will allow users to access the app anywhere in the world, even without an internet connection. The Dynaset App is now available at the Google Play Store, and the Apple Store.



## New User-Friendly Tyrolit Core Drilling System for Wet Drilling

Tyrolit has launched the new DRS250 core drilling system for drilling diameters of up to 9.8 in (250 mm). Matched with the DRS162 core drilling system, the drill motor and drill rig complement each other perfectly and form a single unit. Thanks to the 3.3-hp (2.5-kW) motor, the compact build, and the low weight, users can benefit from a powerful and extremely user-friendly solution. The two-speed oil-bath gearbox of the DRS250 provides for excellent lubrication in all working positions, as well as a well-balanced torque-to-speed ratio. By means of a space-saving mounting option via dowel foot, frictionless work is possible without any problems even in narrow spaces. The mechanical friction clutch and the integrated PRCD safety switch ensure maximum security. Tyrolit also offers an optional vacuum plate that provides a higher flexibility for the system mounting.

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





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## Dymatec's Product Testing Makes the Cut in the US

Since launching in the US market earlier this year, Dymatec's range of saw blades has been put to the test in varying aggregate throughout the country. Territory Sales Manager David Conn has been visiting specialist contractors to undertake product testing.

"After a couple of months getting the product out and testing the production, I'm delighted to say that the results are very promising," Conn tells PDA.

Conn adds that hand sawblades have been cutting very fast and have had great results from Florida to Indianapolis. Dymatec's slab saw blades have also proven to cut very fast and cope well with many different types of concrete.

"We will be testing our wall saw blades in Mississippi shortly and I look forward to the results," Conn adds.

Sales in the US market are performing well in all areas. Dymatec's recent promotion on slab saw blades has had a positive impact. Jeremy Newton, president of Dymatec LLC, notes that while Dymatec has exported to the US for several years, the company's commitment to the market through investment in operational facilities, "enables us to design and test products more specifically to ensure they are meeting the needs of our customers here in the States, and



fine tune them to deliver superior results cut after cut."

The Dymatec sales team is actively

meeting customers and carrying out product testing. To find out more and book an appointment, contact David

Conn at 256/444-5699 or 727/748-4934 or visit [www.dymatecusa.com](http://www.dymatecusa.com).

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



# Epiroc Showcases Hydraulic Attachments at NDA Event



Epiroc showcased its powerful hydraulic attachments in the recent National Demolition Association (NDA) Live DEMOLition Event at the Demolition Rockies convention in Colorado. Back by popular demand, the second annual hands-on demonstration event offered attendees the opportunity to test and operate a variety of demolition equipment. Here's a quick rundown of Epiroc hydraulic attachments featured in the demonstration.

The cleverly angled BP 2050 Bulk Pulverizer, which features optional 360-degree endless hydraulic rotation which allows for optimal positioning and precise handling. The BP 2050 is designed for carriers in the 19t to 30t weight class. Designed for carriers in the 27t to 44t weight class, the CC 3100 U concrete cutter is suitable for practically any kind of primary demolition work. The Universal jaw version is ideal for light- to medium-duty building demolition and heavy-duty industrial demolition.

The HB 2000 Hydraulic Breaker is ideal for primary blast-free rock excavation and secondary rock breaking on construction sites and in quarries, surface and underground mines. It features a robust design making it suitable for the toughest jobs. Equipped with the patented and fully automated Intelligent Protection System (IPS) that provides simple, efficient and economical operation, the HB 2000 is suitable for



carriers in 24.5t to 42t weight class. Epiroc's MG 1500 Multi Grapple is equipped with a powerful hydraulic rotator to ease in picking, sorting and positioning of the material being picked up or set into place. It is designed for carriers in the 17.5t to 26.6t weight class.

Epiroc SB 202 and other hydraulic breakers are well suited for demolishing light concrete structures and asphalt pavements. They come standard with an integrated water port for dust suppression to enhance operator safety and to assist in compliance with the final US silica rule regulations. SB breakers require minimal routine maintenance, which makes them a cost-effective option with minimal downtime. The SB 202 breaker is designed for the 2.5t to 6.5t carrier weight class. Featuring an integrated pressure relief valve to protect against overloads, the SB 702 hydraulic breaker is a great choice for working in confined spaces such as inside buildings, along walls or in narrow trenches. The carrier weight class of the SB 702 is 11t to 18.5t. Epiroc hydraulic attachments are supported by the North American Competence Center in Independence, Ohio. The facility combines a customer center, repair shop and configuration center, and parts and supplies warehouse with a team focused solely on hydraulic attachments to support the U.S. and Canadian attachments market.

[www.epiroc.us](http://www.epiroc.us)

# Kinshofer Acquires Hammer

It's official. Kinshofer is expanding its product line to include hydraulic breaker excavator attachments following the acquisition of Hammer SRL, an Italy-based manufacturer of demolition, excavation, recycling and material handling attachments. Kinshofer chose the company because of its reputation for quality and more than 30 years of experience in the market. The new line includes 22 breakers for carriers from .5 ton to 200 tons and joins an already expansive line of Kinshofer tools.

"These breakers allow us to offer our customers access to a full range of attachments all in one place," says Francois Martin, Kinshofer North America general manager. "Hammer will be a great addition to our group of companies, bringing with them high-quality attachments and a state-of-the-art manufacturing facility."

The breakers are made up of the KSB Series for carriers from .5 ton to 12 tons and the KFX Series for weights from 8 to 200 tons. Each line includes features to improve operator comfort, reduce wear and improve longevity. The acquisition also includes a variety of grapples, buckets and more. These will serve as an alternative to Kinshofer premium attachment line for the price-restricted customer.

The Hammer management team will stay in its entirety and will continue manufacturing in Italy. Hammer and Kinshofer will add additional staff to ensure a smooth launch of Hammer's products and services worldwide.

The acquisition of Hammer demonstrates Kinshofer commitment to being a global leader in the attachments industry and bringing customers only the best tools. Hammer brings extensive experience designing and manufacturing attachments for a variety of carrier types. Like Kinshofer, the manufacturer uses strict quality control during the entire process, from careful examination of the steel to be used to the actual creation of the attachment. That attention to quality was a primary reason Kinshofer chose Hammer.

"We send representatives to every manufacturing facility we acquire to ensure quality standards are consistent," Martin says. "It's important to us that our customers receive only the best. It's why we offer a broad two-year warranty on all of our attachments, including the new breaker line."

Hammer attachments will retain branding in Europe but will be marked Kinshofer in North America.

# New DrillAir Compressors from Atlas Copco

Atlas Copco has introduced Stage V compliant diesel engines to its DrillAir range of high-pressure portable compressors. Mainly used for ground engineering, pipeline services, water well and geothermal drilling; the DrillAir range encompasses several large compressor models with operating pressures between 290 and 508 psi (20 and 35 bar) and flows up to 1,483 ft<sup>3</sup> (42 m<sup>3</sup>) per minute. Additionally, Atlas Copco has applied the new Xc4004 Smart Air controller to this compressor range.

These developments, in combination with the AirXpert 2.0 performance management system, mean that drilling companies can both reduce engine emission levels and improve their operating performance.

Following the latest emission regulations, a Stage V compliant Scania engine will now be at the heart of all new DrillAir compressors. This is with the exception of the Y35 and V39 models that will be Stage V compliant in a later phase. This introduction boosts the efficiency of the DrillAir compressors by as much as 4.5%.

In applications where fuel expenses are calculated per meter drilled, it's key to have the best in class efficient compressor as feed air for any drill rig. Atlas Copco goes beyond introducing Stage V compatible engines. The V21 and

H23 DrillAir compressors feature the newest in-house designed Atlas Copco air element, further increasing efficiency levels by another 2%. In addition, the patented XPR system (Extended Pressure Range) extends the pressure band of the Y35 DrillAir compressor from 208 to 508 psi (15 to 35 bar). Consequently, the Y35 can be used for a variety of applications; making it the preferred choice for rental companies seeking to increase their return on investment. The IP67 rating of DrillAir motors increases the reliability of the improved and patented AirXpert 2.0 performance management system. Less connections and a more robust design protect the system from vibrations and shocks. This performance management system boosts productivity, either by providing additional flow or by stabilising either flow or pressure.





# Success for NDA's Demolition Rockies



**Opening of the Expo at the NDA convention in Aurora, CO.**

The National Demolition Association's Demolition Rockies opened Thursday, March 21, at the Gaylord Rockies Resort & Convention Center in Aurora, Col. Nearly 1,100 demolition professionals from across the country were on hand, along with 90 exhibitors in the Expo. The Live DEMolition event attracted more than 680 attendees.

## Great Net Working Opportunity

An NDA event always has fantastic networking opportunities, and this year was no different. Attendees had the chance to visit four different Colorado food trucks at the

Live DEMolition event where they could test equipment from 23 companies including a baler, crushers, attachments, excavators, and skid steers. Live DEMolition also featured robotics and a competition where attendees could test their skills. Additionally attendees could play Texas Hold'em and other casino games on Saturday night, and attend a craft beer reception and a carnival on Sunday night.

Sessions kicked off on Sunday shortly after Charlie Morecraft's moving and thought-provoking keynote presentation on safety on the job. The first panel, "Utility Plant Decommissioning and Demolition," was moderated

by Jim Graham of Winter Environmental. He set the stage by sharing utility plant decommissioning and demolition as the single largest opportunity in the industry for demolition contractors. Panelists Ronnie Goodman of Duke Energy, Greg Tinin of ENTERGY, Dennis Dunning of Exelon, Jeff Loewe of NiSource, and Mark Schwartz of Southern Company answered a series of questions, such as "What is your company's position concerning the amount of contractor oversight necessary and who provides that oversight: in house or third party?"

Later in the day, Denis McGarel of Brandenburg



**The new board of directors of the National Demolition Association.**



moderated "Managing Demolition Projects: Perspectives from the Owners' Consultants Panel." Tim Barker of AECOM, David Braungardt and Keith Kotinko of WOOD PLC, Bob Patulio of OBG/Ramboll, and Blake Svendsen of ERM discussed their companies' risk metrics to screen and select demolition subcontractors, preferred contracting methods, and lessons learned. "Our focus is on taking the right samples and getting the owners to understand they need to spend some money on difficult areas [e.g., stacks on power plants and boilers]," Braungardt said. "We're not going to be able to find every square foot of asbestos in the building, but we try."

On Monday, Michelle L. Clark and Betina Johnson of the Army Corps of Engineers presented "Doing Business with the USACE." They shared the breadth and depth of work the U.S. government is looking to hire out for per region as well as the criteria for winning those bids.

The last big presentation of the convention was led by Dr. Mahesh Bailakanavar of Thornton Tomasetti. He walked attendees through the amazing case study of the Georgia Dome implosion his company engineered.

This year's Fast and Furious presentations were well-attended and lively, especially Demolition Jeopardy with Drew Lammers. Those who took a seat in the Education Station at Destination NDA received a scrap market update, information on what's new at NDA, insight on job cost tracking, and details on different types of insurance companies should consider.

The 2019 event capped off with the Annual NDA Awards Banquet where Lifetime Achievement Award winner Leonard Cherry was honored, as were the 2019 scholarship award winners and Excellence in Demolition winners (see below). NDA also inducted the first six people into its Hall of Fame: John T. Adamo, Sr.; John T. Adamo, Jr.; Mike Casbon; Denise M. Danneels; Robert Klotzbach; and Jerry Myrick.

## NDA Elects New President

Demolition Rockies also saw the election of Christopher Godek of New England Yankee Construction, LLC, in Milford, Conn., as NDA President for 2019-2021. Godek previously served as Vice President of the association.

In 2019, NDA finalized a strategic plan that will be influential in determining the direction of Godek's presidency. The plan focuses on attracting the next generation of talent; promotion of demolition profession; proactive government advocacy for NDA members; and using data to inform NDA's vision, mission, and goals.

"Strategic alliances will strengthen our industry and increase our ability to interact positively with these agencies," Godek said. "We recently had the opportunity to meet in Washington, DC, with OSHA and the Environmental Protection Agency. These agencies have extended their hand to us, and are looking for feedback from the NDA, to promote a greater understanding of our respective positions, when it comes to the demolition process. I commend them for their forward thinking, and thank them for their help in further educating and promoting our membership."

Education will be another high priority as NDA expands the "Foundations of Demolition Training Series" and looks to add more safety resources for members. Offering courses in estimating, project management, job cost tracking, and risk management will help demolition companies prioritize education and deliver stronger demolition managers to the workforce.

Another focus will be communicating all demolition professionals do, how they are becoming more informed and using technology to transform their practices, how they are growing as a profession and differentiating themselves in the industry, and how NDA is supporting these efforts.

"Part of our strategic plan is a stronger, directed and

aggressive marketing plan." stated Godek. "This coincides with my belief that we need to make sure our customers know who we are, that they know NDA members are the best-in-class contractors. That our customers become informed and make the best decisions when selecting their next demolition contractor. Our focus on making sure our members are educated, and aware of governmental changes, as well as industry technology is paramount. The customers, associates, consultants, and stakeholders of our member contractors can sleep soundly at night, knowing they are contracting with the best."

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



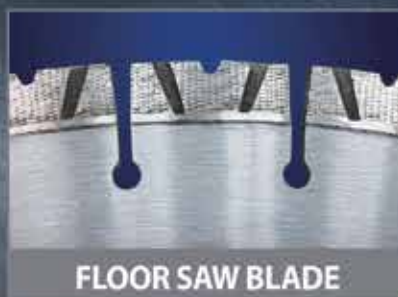
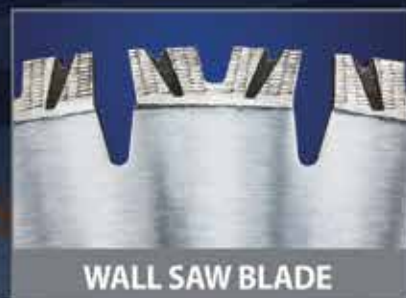
**Christopher Godek of New England Yankee Construction, LLC, in Milford, Conn., is the NDA President for 2019-2021.**





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## Liebherr R 950

# Reshapes TORONTO

## Skyline

The landscape in Toronto is changing, and GFL Infrastructure Group is helping to reshape the skyline of Canada's largest city. The company recently expanded its equipment fleet by adding a Liebherr R 950 High Reach Demolition Excavator.

Based in Toronto, GFL has several Liebherr high reach demolition machines and "they never let you down," says Travis Willison, vice president of the company's demolition division. "The automatic lube systems on them are fantastic. The hydraulic systems are amazing. One of the major benefits of the machine is it's a single float, so anytime

erosion control methods. Liebherr High Reach Excavators also have a plug-in boom section where the attachment is mounted, allowing the machine to be used for multiple tasks. A camera provides visibility to the operator when tools are placed inside structures and gives the operator a better view at all times when the end of the tool is

you need to pick it up to go somewhere it's quite easy."

Dozens of people had an opportunity to operate the R 950 and four other Liebherr machines at the National Demolition Association's Live DEMOLITION event at Demolition Rockies 2019 in Aurora, Colorado.

R 950 demolition excavators are fast, efficient, safe, and purpose-built for selective deconstruction of large industrial buildings. The entire machine is manufactured by Liebherr, meaning all systems are complimentary and integrated into the design. By working from the ground, a Liebherr High Reach can eliminate the need of having another piece of equipment on site to take down structures below 15 ft (4.5 m). The machine can work in a 360-degree radius, which is important on tight job sites and makes installing demolition attachments easier. "The industry has changed in Toronto a lot," Willison says. "Everything is getting tighter. There's no space, no room to get at things."

With a reach of 83 ft (25.3 m) and the capacity to handle a 7,720-lb (3,502-kg) tool, the R 950 is large enough for major jobs. But despite its size, the R 950 is easily transportable thanks to a hydraulically expandable undercarriage. This undercarriage makes the machine easier to move to and from job sites because it retracts the undercarriage width. It also can expand to create a wider footprint, which enhances stability. The company also works with clients to implement job-specific, environmentally sustainable waste management, disposal and



**Travis Willison, vice president of GFL Infrastructure Group's demolition division.**

out of sight. High reach machines "have eliminated the wrecking ball," says Willison, who has nearly 20 years of experience in the industry. "The wrecking ball was a great invention for its time. It was used on conventional cranes. There wasn't a whole lot of hydraulics involved with it. It was a great concept but engineers have come a long way with these designs."

Modern demolition machines, Willison adds, "are much safer, much neater, much quicker. You can organize your material properly. The operator is a safe distance away from the building when he's working. It's the way of the future."

[www.gflenv.com/infrastructure/demolition](http://www.gflenv.com/infrastructure/demolition)







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