

# InfraStructures

**CONSTRUCTION • PUBLIC WORKS • NATURAL RESOURCES**

Volume 24 • Number 2 • February 2019 • *English Edition*







# InfraStructures

**One Magazine for the Entire Industry**  
**One Magazine for the Entire Country**

DOWNLOAD THE 2019 MEDIA KIT ON [WWW.INFRASTRUCTURES.COM](http://WWW.INFRASTRUCTURES.COM)

**CANADA'S EQUIPMENT MAGAZINE**



**Volume 24 Number 2  
February 2019**

**PUBLISHER**

Jean-François Villard  
editor@infrastructures.com

**CONTRIBUTING EDITORS**

Rob Holden  
Robert Marenger  
toronto@infrastructures.com

**ADVERTISING SALES**

sales@infrastructures.com

**TELEPHONE**

**514-233-1295  
613-862-1295  
416-795-1295**

**FAX: 514-528-9932**

**ADDRESS CHANGES**

Send us your address changes by E-Mail to:  
**subscriptions@infrastructures.com**

**MAILING ADDRESS**

4330 Saint-Hubert Street  
Montreal (Quebec) H2J 2W7

**INTERNET**

www.infrastructures.com



/InfraStructuresMagazine



InfraStructures is circulated free of charge to qualified users of heavy machinery and specialized equipment in construction, public works, and natural resources across Canada in both French and English.

The cost of a subscription for either edition for one year is \$50 for Canadian residents and US\$75 or €75 for U.S. and overseas.

The content of InfraStructures is available for consultation on the website [www.infrastructures.com](http://www.infrastructures.com). It may not be reproduced or transmitted in any form, either in part or in full, without the written consent of the copyright owner.

**LEGAL DEPOSIT**

Bibliothèque Nationale du Québec

**DISTRIBUTED BY CANADA POST**

Publications Mail Agreement #40052183

## A Brief Word...

Now that The Bells have become an ever fading echo, and your Resolutions for the New Year face imminent obscurity, it is time to get focused on what is to come for 2019.

Regardless of the media hype, it is winter, so cold and snow are par for the course. For those engaged in Winter Maintenance it is the busy (and sleepless) season. Recent observations make me shudder at the lack of judgement out there in seasonal conditions. Be Safe: Work Safe, and look forward to our August "Winter Operations" issue.

The remainder of you may not be facing Ol' Man Winter's wrath as part of your working day but, you are still in an active part of your calendar. Equipment overhauls, repairs, and maintenance, fleet evaluations, disposals, auctions, and procurement weigh heavily as you get your "Diggers in a Row". This issue will be a tool to help you in your deliberations as you contemplate what Santa did not put into your stocking.

World of Asphalt, the Work Truck Show, the National Heavy Equipment Show, and Bauma are all pending as the skies clear and the daylight lengthens. Perhaps you can attend and are creating a Must See list. More likely, attending may not be an available option for you.

As ever, at InfraStructures we will do our utmost to give you as close a "Been There, Done That" experience as we can. Our editorial staff will be scouring booths, to bring you the nitty-gritty insights you expect from Canada's leading equipment publication.

Hopefully you are safe from the howling cold wind with a hot drink and a comfy seat as you peruse these pages.

Bundle up, stay warm and take comfort that everyday is a little bit longer.

OptiFant 8000 / CityFant 60



**BUCHER  
schörling**

**SALES & RENTALS**  
Vacuum type street sweepers  
Different models from 1 m<sup>2</sup> to 10 m<sup>2</sup>  
USED SWEEPERS IN STOCK



**Accessories Machinery Limited**  
[www.aclam.com](http://www.aclam.com)

**1-800-461-1070**

On the cover: Constructions HDF working on Route 169, near Mount Apica in the Saguenay-Lac-Saint-Jean region of Quebec last September.

Over 50 000 m<sup>2</sup> of the wearing course layer at a depth of 50 mm had to be removed as part of the rehabilitation process.

## NORTRAX CANADA INC. BECOMES THE WIRTGEN GROUP DEALER FOR ONTARIO

Effective January 1, 2019, Nortrax Canada Inc. became the distributor of Wirtgen Group products for Ontario. Nortrax has been serving the Ontario market for more than 40 years performing as one of John Deere's top construction dealers.

John Deere recently acquired the Wirtgen Group, headquartered in Germany. Wirtgen has 5 premium brands across the

entire road construction sector spanning milling, processing, mixing, paving, compaction and rehabilitation. Wirtgen's highly complementary product portfolio enhances John Deere's existing construction equipment offering and establishes Deere as an industry leader in global road construction.

In the immediate future, Nortrax will deploy a focused team dedicated exclusively to the sales and support of the Wirtgen

Group products. This group of Wirtgen Group specialists includes industry and product experts as well as technicians and parts personnel who understand the business and the sense of urgency required to support the Road and Mineral Technology markets.

"Everyone at Nortrax is absolutely delighted to represent and be able to offer Wirtgen products to our customers. Wirtgen's superb reputation of market-leading products and their legacy of technology and innovation has helped many customers succeed in the road construction industry. We at Nortrax take pride in this opportunity and will make sure this success continues with our dedicated support teams," said Michael Rugeroni, Nortrax Canada Inc. vice president.

Source: Nortrax, Inc.

## DANA ACQUIRES SME GROUP

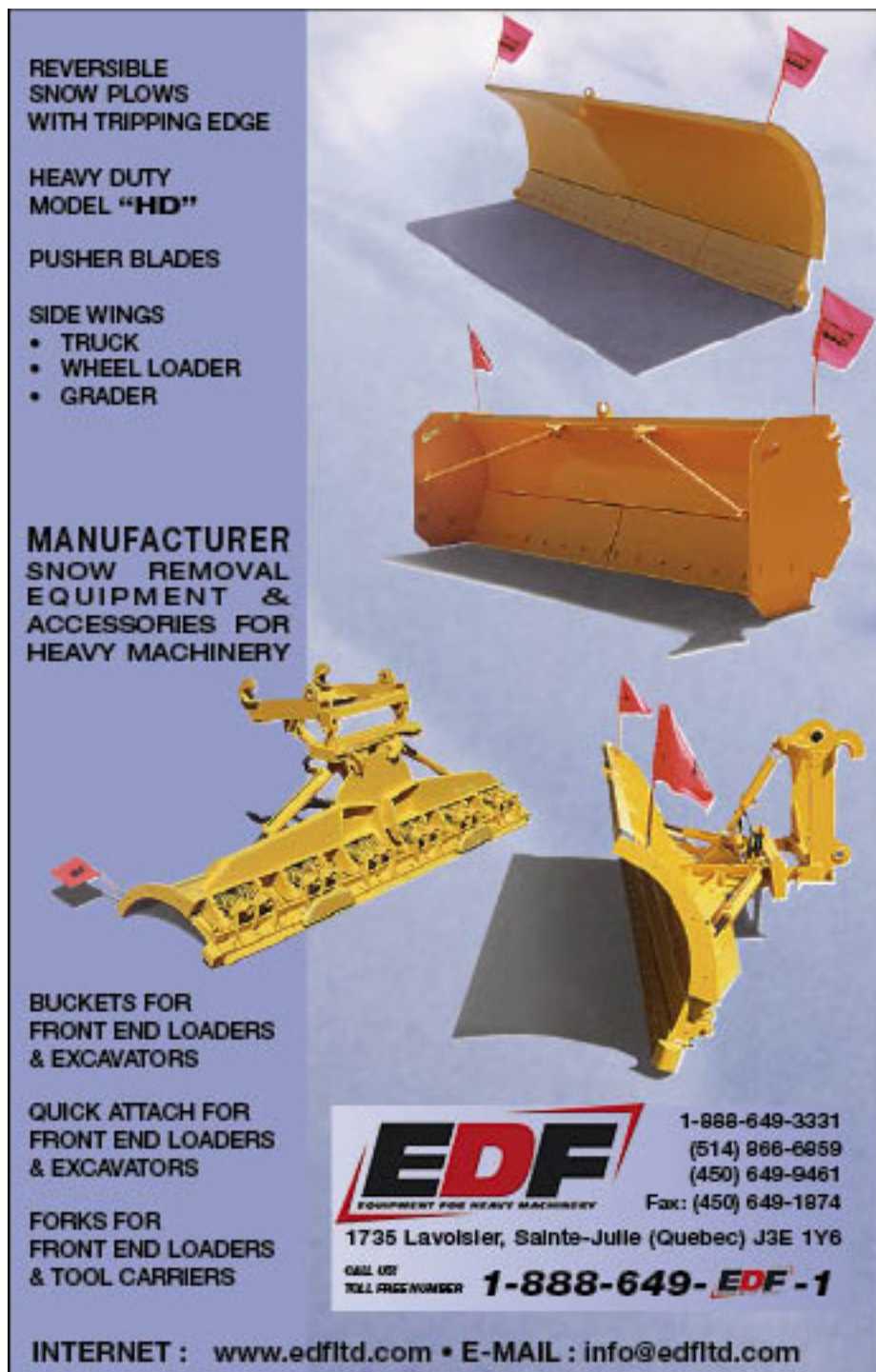
Dana Incorporated announced recently that it has completed the acquisition of the SME Group, headquartered in Arzignano, Italy.

The global SME Group designs, engineers, and manufactures low-voltage AC induction and synchronous reluctance motors, inverters, and controls for a wide range of off-highway electric vehicle applications, including material handling, agriculture, construction, and automated-guided vehicles.

The addition of SME's low-voltage motors and inverters, which are primarily designed to meet the evolution of electrification in off-highway equipment, significantly expands Dana's electrified product portfolio.

"Dana's acquisition of SME enhances our ability to address the electrification and hybridization needs of our customers, while also increasing the potential for incremental content per vehicle," said Jim Kamsickas, president and CEO of Dana. "SME's exceptional electric motor and inverter products, which largely support off-highway applications, are highly complementary to the technologies we acquired with TM4, which are predominately focused on light- and commercial-vehicle applications."

"Dana is equipped to provide complete e-Propulsion systems that balance the demands for performance, power density, and weight," said Christophe Dominiak, chief technology officer for Dana. "The ad-



**REVERSIBLE  
SNOW PLOWS  
WITH TRIPPING EDGE**

**HEAVY DUTY  
MODEL "HD"**

**PUSHER BLADES**

**SIDE WINGS**

- TRUCK
- WHEEL LOADER
- GRADER

**MANUFACTURER  
SNOW REMOVAL  
EQUIPMENT &  
ACCESSORIES FOR  
HEAVY MACHINERY**

**BUCKETS FOR  
FRONT END LOADERS  
& EXCAVATORS**

**QUICK ATTACH FOR  
FRONT END LOADERS  
& EXCAVATORS**

**FORKS FOR  
FRONT END LOADERS  
& TOOL CARRIERS**

**EDF**  
EQUIPMENT FOR HEAVY MACHINERY

1-888-649-3331  
(514) 866-6859  
(450) 649-9461  
Fax: (450) 649-1874

1735 Lavoisier, Sainte-Julie (Quebec) J3E 1Y6

CALL US  
TOLL FREE NUMBER **1-888-649-EDF-1**

**INTERNET : [www.edfltd.com](http://www.edfltd.com) • E-MAIL : [info@edfltd.com](mailto:info@edfltd.com)**



dition of SME's low-voltage induction motors rounds out our already robust offering of high-voltage permanent magnet motors and enables us to deliver a complete range of electrified solutions for our customers."

Dana's existing portfolio of Spicer® Electrified™ with TM4® motors and inverters combined with SME's low-voltage motors will expand the company's capabilities to applications ranging up to 250 kW.

The privately-held SME Group employs more than 100 people and operates in China, Germany, Canada, and Italy.

Dana's electrification capabilities will be further strengthened by the anticipated acquisition of the Drive Systems segment of the Oerlikon group, enabling Dana to provide products for a broad range of hybrid and electric-vehicle configurations.

The transaction is expected to close in the first quarter of 2019.

Source: Dana Incorporated

#### **COST-OVERRUNS AND THE FRAGILE ECONOMICS BESET HYDRO MEGA-PROJECTS**

Cost-overruns at several large-scale hydro projects in Canada raise questions about the economic viability of continuing construction to completion. In "Dammed If You Do: How Sunk Costs Are Dragging Canadian Electricity Ratepayers Underwater" author A.J. Goulding argues that government decisions to make such large investments in hydroelectric generating capacity must be scrutinized for economic soundness – particularly relative to the costs of alternatives for producing the power.

Canada has several large hydroelectricity projects presently under construction all of which have ever-increasing estimates of projected total cost: Site C on the Peace River in northern British Columbia at \$10.7 billion, Keeyask on the Nelson River in Manitoba at \$8.7 billion, and Muskrat Falls on the Churchill River in Labrador at \$12.7 billion.

This study examines the cost-effectiveness of these hydro projects by comparing the costs of equivalent generation from carbon cost adjusted combined cycle natural gas turbines (CCGT). The analysis demonstrates that the levelized costs from the Site C and Keeyask projects may exceed the costs of alternative CCGT generation. The study notes that risks of building large generation capacity in anticipation of uncertain future demand

for electricity and contends that, relative to large hydro projects, the roll-out of CCGT generation can be more flexibly timed (and paired with environmental initiatives) to meet demand as it materializes.

"Even if we build-in the costs of cancellation the present economics would still favor cancelling Site C and replacing the respective energy with equivalent dispatchable CCGT generation capacity, supplemented by offsets to meet environmental goals," said Mr. Goulding.

While an emphasis on renewables generation has motivated these major hydroelectric projects, the analysis shows that Site C exceeds the levelized cost of a CCGT alternative that faces a \$50/t carbon price. Moreover, drawing from results in recent renewable energy procurements, the study observes that wind generation, albeit intermittent, can provide a much lower levelized cost of zero-emission electricity than such large-scale hydro projects.

This study concludes by recommending

that provinces re-examine the economics of these projects and consider cancelling projects which have more cost effective alternatives. To avoid uneconomic projects in the future, the report also recommends strengthening institutional independence – in particular, by ensuring independent regulatory review for mega-projects and leveraging greater private-sector discipline for the design and delivery of major electricity projects.

Source: C.D. Howe Institute

#### **NEW PRODUCTION TARGETS CAPABILITY ENHANCES DAILY FIELD PERFORMANCE**

B2W Software has delivered a new B2W Production Targets capability that empowers heavy construction contractors to assess job progress more accurately at any given point in time.

Using B2W Production Targets, contractors can easily set specific, variable targets for expected productivity according to the conditions, plan and resources for each

---

## **Western Star Showcases New Truck Enhancements at WOC**

Western Star displayed its most rugged trucks and vocational product options at World of Concrete 2019, held January 22-25, 2019, in Las Vegas.

"World of Concrete provides a great opportunity for show attendees to experience first-hand the

differentiators that make Western Star trucks ideal for tough applications," said Samantha Parlier, vice president of marketing and product strategy for Western Star. "We have many new updates and options to the 4700 that will boost performance, comfort, safety and productivity for any job."

In addition to the enhanced 4700, Western Star 4700, 4800, 4900 and 4900XD truck models were also on display, each showcasing different vocational applications, such as crane, mixer, dumps and more.

Western Star also hosted its 9<sup>th</sup> annual "Western Star Trucks Get Tough Challenge". Show attendees could sign up to drive their choice of Western Star 4700 trucks on a short course while being scored on a 50-point scale. One grand prize was awarded to the overall top contestant, with daily winners receiving prizes. All entrants received Western Star swag.

Source: Western Star Truck Sales, Inc.





individual day. Without this capability, daily targets are typically set by averaging projected productivity from the estimate evenly over the duration of a job or job phase. The averaged targets, however, can present a distorted impression of job progress on a given day or series of days when compared to actual production data.

In a simplified example of the advantages of this new B2W Production Targets capability, a contractor planning a 5-day highway paving job requiring 4,500 t of asphalt could set differing daily targets to account for limited productivity based on slower shoulder or on/off ramp work over the first 2 days, and much higher production at the end of the week for mainline paving. The variable targets would allow a more accurate assessment of job status versus plan each day.

Relying on an average target of 900 t/d instead could present an inaccurate im-

pression that the job was behind schedule over the first 2 or 3 days.

"Contractors are pushing for better data to make more informed decisions in the field, and this kind of accurate, timely data on job progress versus plan is at the top of their list," said B2W Software founder and CEO Paul McKeon. "Using B2W Production Targets and electronic field logs, they get the right data every day, so they can make timely adjustments to keep jobs on schedule and budget. Leaders and employees in the field tend to excel when they know what their immediate goals are. Accurate production targets give them the goals that ultimately determine profitability on a daily basis and in a simple format," he explained.

B2W Software clients can now use current versions of the B2W Schedule solution for resource scheduling and dispatching and/or the B2W Track solution for field

tracking and analysis to implement B2W Production Targets. Users can set variable daily targets in electronic field logs, and B2W Track then allows them to enter actual productivity in the field for comparison to the targets in real time.

Source: B2W Software



## **SCHNEIDER ELECTRIC CONNECTS THE FIRST CONTAINER SHIP TO SHORE POWER ELECTRICAL AT THE PORT OF VANCOUVER**

Vancouver Fraser Port Authority has selected Schneider Electric Canada Inc. to develop a solution to reduce greenhouse gas (GHG), air emissions and noise from ships docked at Centerm Container Terminal.

The result is a Schneider Electric EcoStruxure Platform design that delivers an intelligent implementation of a worldwide standard for shore power. This allows docked ships to shut down their engines and be powered using a "plug-in" electrical shore power connection. Shutting down the engines helps to reduce air pollution. The shore power capability also qualifies a ship for the Vancouver Fraser Port Authority's EcoAction program, providing discounted harbor dues and the opportunity to be recognized with a Blue Circle Award. The system was successfully commissioned and connected to the first ship on October 15, 2018.

The shore power solution is operated by DP World Vancouver. The standards-compliant system was designed and commissioned by Schneider Electric Canada Inc. and PBX Engineering of Vancouver, and installed by Houle Electric. The solution relies on clean electricity from BC Hydro to power the ships, which allows them to shut down their diesel engines.

Source: Schneider Electric Canada Inc.

## **Freightliner Features New Vocational Option at World of Concrete**

Freightliner Trucks showcased an innovative array of vocational solutions at World of Concrete 2019, held in Las Vegas January 22-25, 2019. An all-new option was on display for the first time at World of Concrete: The Freightliner 114SD concrete mixer specified with the new Cummins X12 engine.



Up to 270 kg lighter than other medium-bore engines in the 10-13 l category, the Cummins X12 engine is made to increase payload and productivity. Paired with the durable 114SD, this powerful combination is ideal for applications where weight savings are a priority, such as concrete mixers, dump trucks, cranes and more. A second X12-powered 114SD was showcased in the McNeilus Truck & Manufacturing.

In addition, visitors to the Freightliner booth had access to a variety of bodied-up trucks on display, including 114SD concrete pumpers, cement mixers, volumetric cement mixers and more. The Detroit DD8 and DD13 engines were also on display at the booth.

"World of Concrete is a great opportunity to share our most recent solutions for vocational customers and Truck Equipment Manufacturers (TEMs) as well as demonstrate our wide range of options," said Kelly Gedert, director of product marketing for Freightliner and Detroit. "Visitors to the Freightliner booth could learn more about our focus on developing durable and reliable products that deliver all day, every day."

Source: Freightliner Trucks

## **NEW WORK TRUCKS AND EQUIPMENT ROLLING OUT AT THE WORK TRUCK SHOW**

More than 100 companies have already announced plans to introduce new work trucks and equipment at Work Truck Week 2019.

The Work Truck Show, North America's largest work truck event, will be held March 5-8 at in Indianapolis, Indiana. Educational sessions, Green Truck Summit, Fleet Technical Congress and Manufacturer and Distributor Innovation Conference begin March 5, and the exhibit hall is open March 6-8.



# Movax® SG-75V

## Variable Moment

### Welcome to the Next Level!

**Ideal Choice** when Working in Urban Areas, or near Historical Buildings or in any Sensitive Environment

**SG(V) Models** Cause Less Noise and are Faster and more Comfortable to use

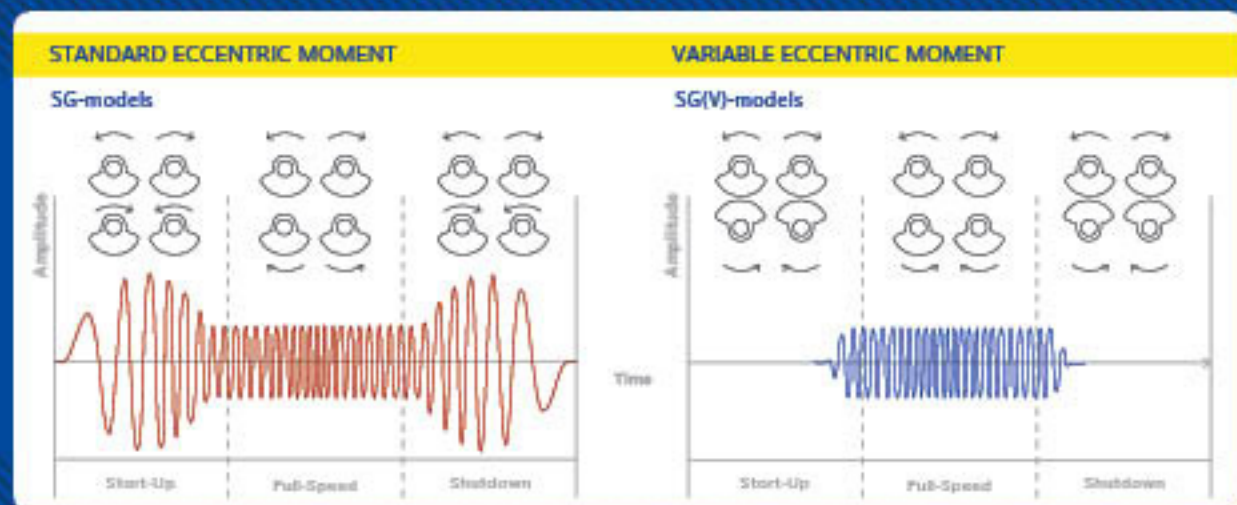
**Minimized Disturbance** to the Surrounding Environment and Structures

**Resonance-Free** Start-up & Shut Down

**High Frequency** Vibratory Pile Drivers



Model  
SG-75V



Sheet Pile



H-Beam Pile



Tubular Pile



Timber Pile



**Hercules Machinery Corporation**  
Manufacturer and Supplier of Foundation Equipment

Call Toll Free // 800.348.1890  
[HMC-US.COM](http://HMC-US.COM)



There is no better place to see what is new and what is coming from the industry's leading original equipment manufacturers (OEMs). Chevrolet Commercial Vehicles, Ford Commercial Vehicles, Freightliner Custom Chassis Corporation, Freightliner Trucks, Hino Trucks, International Truck, Isuzu Commercial Truck of America Inc., Kenworth Truck Company, Mack Trucks Inc., Mercedes-Benz Vans, Mitsubishi Fuso Truck of America Inc., Nissan Commercial Vehicles, Peterbilt Motors Company, Ram Commercial, Volvo Trucks and Western Star Trucks will exhibit at the event, with 15 of them also delivering exclusive chassis update sessions. During each update session, company representatives provide insights into their future plans related to the work truck industry, share technical information on latest chassis specifications and designs, and review body and equipment installation options. Ford, FCCC, Freightliner, International, Mack, Mitsubishi Fuso, Nissan and Ram also scheduled press conferences at the Show.

To help attendees plan which booths to visit, 90 exhibitors are showcasing new products online in advance of the event as part of The Work Truck Show's exclusive New Product Spotlight and Green Product Showcase programs. Offerings range from transmissions and suspensions to trucks and bodies. They include a variety of innovative power solutions, cargo management systems and vocational equipment from snowplows to cranes.

If it goes in or on a vocational truck – or helps an upfitter install equipment – you can find it at the Show.

"Every year at The Work Truck Show, the industry's leading manufacturers of vocational vehicles, components and equipment converge on Indianapolis to showcase their newest products and share what's coming next," says Steve Carey, NTEA president & CEO. "With all the major players here, The Work Truck Show is the best place to take the pulse of the commercial vehicle community and find the equipment and education you need to continue to improve your operations."

The Work Truck Show main exhibit floor covers more than 46,500 m<sup>2</sup>. The event includes a robust educational conference with sessions designed to help attendees improve their operations. Anyone who works with commercial vehicles, including

public and private truck fleet operators, manufacturers, dealers and equipment distributors, can find solutions to their business challenges at the Show.

Source: NTEA – The Association for the Work Truck Industry

## ISRI2019: WHERE RECYCLERS BUILD RELATIONSHIPS

ISRI2019 offers the opportunity to engage with 5,000 recycling professionals from around the world. Recycling is a relationship business. Your business depends on opportunities to meet new vendors, new customers, and new colleagues. ISRI2019 gives you more opportunities than any other place to network with events scheduled from before dawn to late into the evening.

See for yourself why the ISRI2019 show out does any other when it comes to networking:

- ISRI's Exhibit Hall is the Grand Central Market for recycling.
- Commodity receptions each afternoon to help you meet consumers and other players in specific commodity areas.
- Morning fun runs and workout sessions help get you energized while meeting other like-minded attendees.
- After-hour events on Tuesday and Wednesday let you keep the conversation going long into the night.

ISRI2019, the world's largest annual gathering of scrap recycling professionals, will be held April 8-11, in Los Angeles, California.

Source: Institute of Scrap Recycling Industries (ISRI)

## DEUTZ SHOWCASING NEW D1.2 ENGINE AT WORLD OF CONCRETE

DEUTZ Corporation exhibited its growing, versatile line of engines at the World of Concrete show, held January 22-25, 2019 in Las Vegas.

"World of Concrete is a very important show to us for many reasons," said Steve Corley, chief sales officer for DEUTZ Corporation. "This show has a reputation for showcasing the very best concrete and masonry products and equipment to the many professionals who depend on them for their livelihoods, day in and day out. And, it presents us with the opportunity to demonstrate our newest engines to an international audience."

This year, at World of Concrete DEUTZ

## BRITISH COLUMBIA

### Great West Equipment

Campbell River, BC	(250) 286-0123
Cranbrook, BC	(250) 426-6778
Fort St. John, BC	(250) 785-4223
Kamloops, BC	(250) 372-3996
Nanaimo, BC	(250) 716-8804
Prince George, BC	(250) 612-0255
Surrey, BC	(604) 882-5051
Terrace, BC	(250) 835-9033
Vernon, BC	(250) 549-4232
Williams Lake, BC	(250) 392-9599

www.gwestequipment.com

## ALBERTA

### Strongco

Acheson, AB	1-877-948-3515
Calgary, AB	1-800-342-6523
Fort McMurray, AB	1-855-739-4201
Grande Prairie, AB	1-888-513-9919
Red Deer, AB	1-866-950-3473

www.strongco.com

## SASKATCHEWAN

### Redhead Equipment

Estevan, SK	(306) 634-4788
Lloydminster, SK	(306) 825-3434
Melfort, SK	(306) 752-2273
Prince Albert, SK	(306) 763-6454
Regina, SK	(306) 721-2666
Saskatoon, SK	(306) 934-3555
Swift Current, SK	(306) 773-2951

www.redheadequipment.ca

## MANITOBA

### Westcom Equipment & Rentals Ltd.

Winnipeg, MB	1-800-453-2435
--------------	----------------

www.westcomequip.ca

## ONTARIO

### Strongco

Ottawa, ON	1-800-822-3308
Sudbury, ON	(705) 692-0552
Thunder Bay, ON	(807) 475-3052

www.strongco.com

### Top Lift Enterprises, Inc.

Caledon, ON	(905) 857-5200
Stoney Creek, ON	(905) 662-4137

www.toplift.com

## QUEBEC

### Strongco

Bale-Corneau, QC	1-866-996-3031
Chicoutimi, QC	1-800-323-1724
St-Augustin, QC	1-800-463-2662
Trois-Rivières, QC	1-855-840-0828
Val d'Or, QC	1-800-561-4192

www.strongco.com

### Top Lift Enterprises, Inc.

Sherbrooke, QC	(819) 612-5438
St-Laurent, QC	(514) 335-2953

www.toplift.com

## NEWFOUNDLAND AND LABRADOR

### Strongco

Mount Pearl, NL	(709) 747-4026
-----------------	----------------

www.strongco.com

## NEW BRUNSWICK

### Strongco

Moncton, NB	(506) 857-8425
-------------	----------------

www.strongco.com

## NOVA SCOTIA

### Strongco

Dartmouth, NS	(902) 468-5010
---------------	----------------

www.strongco.com

## PRINCE EDWARD ISLAND

### Strongco

	(902) 468-5010
--	----------------

www.strongco.com



SEE US AT

**ISRI2019**  
LOS ANGELES | APRIL 8-11  
CONVENTION  
& EXPOSITION

# PURPOSE-BUILT FROM THE GROUND UP



GET THE DETAILS ON WHY YOUR NEXT WASTE & RECYCLING MATERIAL HANDLER SHOULD BE A SENNEBOGEN >>



**What if your purpose for a purpose-built waste handler isn't quite the same as the other guy's purpose?**

Only SENNEBOGEN waste handlers are purpose-built one machine at a time to meet *your* goals.

**High Visibility • Precise Handling • Low Emissions**

**Think of the possibilities!**

See how SENNEBOGEN can purpose-build the right machine for you at [www.sennebogen-na.com/waste](http://www.sennebogen-na.com/waste)

[www.sennebogen-na.com](http://www.sennebogen-na.com) | +1-704-347-4910

- Diesel and electric-drive machines from 44,000 to 750,000 lbs.
- Full range of rubber tired, tracked and stationary models with customized boom & stick configurations.

**SENNEBOGEN®**



presented its D1.2 engine, a new member of the company's under-25 hp range. Initially available in the Americas, the D1.2 is designed to better meet growing number of customers who want to efficiently power machines like aerial platforms, welders, trenching equipment and mini skid-steer loaders, as well as equipment for lawn and garden and pump applications.

DEUTZ has entered into an MOU for the D1.2 with Kukje Machinery Co., with the mutual intent for both parties to sign a long-term agreement for this engine and another new model, the D1.7, in early 2019. Both will be DEUTZ-branded and fully supported by the DEUTZ service network.

Visitors to the DEUTZ booth could also see the company's TCD 2.9, TD 3.6 Power Pack, TCD 16.0 and D2011 Xchange engines on display.

"The D1.2 is a simple, cost-effective, mechanical engine that meets the latest emissions regulations both here in North America and in the EU," said Robert Mann, DEUTZ Corporation president and CEO. "Meanwhile, the other power solutions we've have on display further demonstrate the fact that DEUTZ continues to provide one of the broadest product lines in the industry."

For more than 150 years, DEUTZ engines have supplied customized, cost-effective power to a broad array of machine types and market segments. The 9-millionth DEUTZ engine was produced in 2015.

Source: DEUTZ Corporation

## KIOTI TRACTOR EXPANDS PRESENCE IN CANADA

KIOTI Tractor, a division of Daedong-USA, Inc., continues its commitment to the compact equipment industry in Canada with the opening of a new distribution center in Mississauga, outside of Toronto, Ontario. The approximately 5,500 m<sup>2</sup> of office and distribution space will reduce shipping and delivery times for KIOTI's Canadian dealers and increase support for end users.

Source: KIOTI Tractor

## Hyundai HX130LCR Excavator Model Shown for First Time at WOC

Hyundai Construction Equipment Americas featured a variety of recently upgraded models and newly available third-party attachments at World of Concrete, held last January in Las Vegas. The company also displayed its Hyundai HX130LCR hydraulic excavator for the first time since the model's recent introduction.

The HX130LCR is the 3<sup>rd</sup> compact-radius excavator model in the company's HX series product line. The 12.25-t machine also is available in a second standard configuration, the HX130LCRD, which includes a dozer blade. The unit displayed at World of Concrete was outfitted with an Antraquip hydraulic cutter, designed to cut rock, concrete or asphalt for a variety of applications.



The Hyundai exhibit also included the Hyundai R35Z-9A compact excavator, which was being exhibited for the first time since a recent spate of upgrades including an available 4-way angle dozer blade. The 3.2-t Hyundai R35Z-9A features a zero-tail swing design for optimal maneuverability in confined work spaces. It comes with a Werk Brau-compatible thumb bracket, a diverter valve for easy switching between a thumb or attachment, proportional control levers with 2-way piping, pin-grabber style dual-locking quick coupler and O/C piping, enhanced bucket design with lifting-eye and 2-piece tooth design for easy replacement, increased curve profile on dozer blade for better grade and cutting ability, an easily replaceable cutting edge to the dozer blade, a wider opening engine compartment, and a durable centered boom LED work light for improved jobsite illumination.



Another featured model at Hyundai's exhibit was its HL955 wheel loader, outfitted with a GEM Attachments heavy-duty performance bucket and hydraulic coupler. The GEM GP bucket is designed for use in general purpose and abrasive applications. It features a reinforced bucket shell to extend the bucket life, internal liner plate for maximum wear protection, reinforced bucket edge and bolt-on corner protectors to improve pile penetration, and V-style spill guard to protect the machine linkage from damaged caused by debris spillage. Hyundai also exhibited its HL975 wheel loader, a model well suited for digging and loading in quarries, gravel pits, surface coal mines and other high-production applications.

Finally, World of Concrete visitors could see a Hyundai HX220L hydraulic excavator at work in the MB Crusher outdoor exhibit, demonstrating a MB rock-crushing attachment.

Source: Hyundai Construction Equipment Americas

**22 years on the web!**

Looking for more stories? Visit  
[www.infrastructures.com](http://www.infrastructures.com)



# IF YOU'RE NOT MOVING, YOU'RE NOT EARNING.



Ask your dealer  
about the exclusive  
**5x5 Edge Lease.**

5 year lease, low payments, 5 years of filters,  
5 year / 5,000-hour warranty, 5 excavator models

**24/7**

COMPLETE FLEET DIAGNOSTICS



Hi MATE onboard diagnostics lets you monitor your equipment from anywhere and alerts you to potential issues before they become a problem, keeping you up and running and earning more.

MOBILE &  
DESKTOP  
5 YEARS  
FREE

 **HYUNDAI**  
CONSTRUCTION EQUIPMENT

[TOMORROWSEDGETODAY.COM](http://TOMORROWSEDGETODAY.COM)



# Polavaram Creates Double World Record

Navayuga Engineering Company Limited (NEC) recently entered the Guinness Book of World Record for concrete pouring.

The flagship entity of the Navayuga Group which is currently building the world's largest flood discharge capacity dam at Polavaram, in the Andhra Pradesh region of India, successfully set 2 Guinness World Record® achievements at the site: "most concrete poured in 24 hours" and "largest continuous concrete pour".

The company created the world record by pouring 32,315 m<sup>3</sup> of concrete in 24 hours. The concrete work to make the spillway began at 8 am on Sunday, January 6, and was concluded at 8 am the next day, January 7, 2019. It was the unparalleled planning and engineering skills of NEC that made possible a task of such mammoth proportions.

Accredited the status of a national project, Polavaram witnessed 20 agitator trucks delivering concrete from 10 batching plants and 90 transit mixers that were

engaged in this incredible engineering feat. The attempt was monitored by an official adjudicator from Guinness World Record® in the presence of Hon'ble Chief Minister of Andhra Pradesh, Sri N. Chandrababu Naidu.

"We congratulate the team at Navayuga and everyone who has been part of the project for achieving the feat and developing such a mammoth project in such a short period of time," said

Mr. Naidu on his 30<sup>th</sup> visit to the Polavaram Irrigation Project site. "For those who say Indians can't perform, Polavaram Irrigation Project is an answer to them. India has not seen a project of this size and scale.

We have not just accomplished a colossal infrastructure milestone but have brought India on a global map by breaking the earlier records."

"It is an extremely proud moment for



Navayuga to be a part of such an iconic and landmark project in terms of its scale, expanse and impact on livelihood," said Sridhar Chinta, managing director, Navayuga Engineering Company Limited.

## New 24 V Hydraulic Air Compressor Developed For OEMs

VMAC recently announced the H40 hydraulic air compressor is now available in a 24 V model for OEM equipment that uses a 24 V electrical system.

A variation of VMAC's H40 hydraulic air compressor, it was first built in partnership with Vancer, headquartered in Galesburg, Illinois, a company that engineers, builds, and distributes innovative maintenance-of-way (MOW) equipment for the rail industry throughout the U.S. and Canada.

Vancer uses hydraulic air compressors on their excavators but were running into challenges during installation.

"Vancer inspired us to innovate. They pointed out an issue with the status quo and our team was eager to find a way to overcome it," said Rick Duifhuis, OEM development manager at VMAC.

Traditionally, installers use a converter kit to make 12 V air compressors compatible with 24 V electrical systems. These converter kits are placed between the air compressor and the power source, essentially modifying the voltage before the power reaches the air compressor.

Voltage converters work for most equipment but are complicated to install on excavators, as excavators have multiple pivot points and long wire points that need to be considered. By swapping the 12 V fan in the integrated hydraulic/compressor oil cooler with a 24 V fan and using a small internal converter for the 12 V control box, this problem is instantly eliminated.

"The new 24 V hydraulic air compressor was built for 24 V electrical systems, completely eliminating the need to install a converter kit. It's a simple improvement but it will save countless hours of work on future excavator installs," added Mr. Duifhuis.

Vancer's new hydraulic air compressors



also feature a black exterior to match the Cat® brand.

The H40 is a rotary screw air compressor powered by hydraulics, which allows it to fit on equipment and vehicles with limited available space. The H40 can free up to 0.17 m<sup>3</sup> of space and reduce weight by up to 118 kg, while providing up to 1,130 l/min of continuous air.

Source: VMAC



"Taking up the challenge of building this mega project is a perfect showcase of NEC's superior and world-class engineering capabilities. Working tirelessly round the clock to achieve an epoch-making feat in just 24 hrs is a true testament to the hard work, dedication and sincerity of every member of the Navayuga family. This is a significant step towards achieving the real victory, delivering a half-century old dream of the people of Andhra Pradesh, the Polavaram Project, before the start of the next monsoon season. This is indeed a very proud moment not just for NEC, but also for the state of Andhra Pradesh and the nation."

As India's leading infrastructure company, NEC has many achievements to its credit with iconic projects accelerating India's transformation. These engineering marvels include India's longest river bridge Dhola-Sadiya, Dibang-Lohit River Management System, the longest highway tunnel project, Quazigund to Banihal, largest port



on the east coast of India – Krishnapatnam Port and many more.

Showcasing NEC's superior and world-class engineering capabilities; the project once completed will irrigate a massive ayacut of over 72 lakh acres (2.9 million ha) in 2 phases and influence the supply of water to all 13 districts of Andhra Pradesh. The project envisages meeting the water supply needs of an aggregate population of 20 million.

The Polavaram Project is a mega infrastructure landmark with a total of 48 gates, each 20 m high, and a width of 16 m and

spanning a total of 1,119 m. It required pouring 3.67 million m<sup>3</sup> of concrete and placing 50,000 t of steel, all in record time to complete the project that had been on the cards for many years.

Designed to withstand massive floods that could occur once in 1000 years, the Polavaram Spillway is set to have a discharge capacity larger than the 3 Gorges Dam of China.

Source: Navayuga Engineering Company Limited



**ACCESSORIES MACHINERY LIMITED**  
**Phone: 1-800-461-1979**  
 Fax: 1-877-544-5030 • Internet: [www.aolaml.com](http://www.aolaml.com)



**Python 5000**  
POTHOLE PATCHER

**THE SOLUTION TO YOUR POTHOLE PROBLEMS!**








**MECHANICAL STREET SWEEPERS**

**Reach Roadbuilders, Paving Contractors, and Public Works Departments across the Entire Country.**

Send us your ads or news releases to be featured in an upcoming issue of

## InfraStructures

Advertise with us!  
 The complete media kit is available online at  
[www.infrastructures.com](http://www.infrastructures.com)  
 Info: 416-795-1295



# BOMAG's New Paving Training Programs Help Operators Get the Most From Their Equipment

For asphalt contractors to be successful in today's competitive paving market, paver and roller operators must acquire a deep knowledge of the equipment's features and put this knowledge into practice at the jobsite. With long-time equipment operators retiring at a high rate, the next generation of operators must receive extensive in-depth training on the equipment in order to meet project specifications without costly rework, so companies can maximize equipment return on investment.

BOMAG understands the need for continual training on paving and compaction equipment and now offers 2 new courses that focus on equipment operator training at its South Carolina FAYAT Academy training center. These new BOMAG schools for paving and roller training provide attendees with first-hand knowledge on how to optimally operate, maintain and care for the machine. Each course is taught by BOMAG specialists, one of the



road building industry's most experienced team. The sessions are set up to address individual questions as well as theoretical and practical content.

## PAVING TRAINING FOR OPERATORS AND SUPERVISORS

This intense, 2-day training session is designed specifically to help paver operators improve mat smoothness and

quality. The course focuses on paver and screed set-up with hands-on paver and screed operation. Attendees will pave and be taught how to troubleshoot mat defects. In-class training also focuses on technical paver troubleshooting, daily maintenance, and automation control set-up and usage (TOPCON/MOBA systems). Class size is limited to foster in-depth technical learning.

# ADM Offers Crane-Set and Self-Erect Asphalt Storage Silos

Asphalt Drum Mixers, Inc. (ADM) offers crane-set and self-erect asphalt storage silos, which are compatible with both the company's own and similar competitive models of asphalt plants. ADM silos are offered in many configurations from single self-erecting silo to multiple crane-set silos and several drive-through configurations. Capacities are between 27 t and 272 t. Custom designs and capacities are also available to accommodate any producer.

Drag conveyors from 136 to 450 t/h help deliver the freshly mixed asphalt to the storage silos, where its temperature is maintained until discharged. ADM manufactures each silo with a heavy-duty steel design and continuous welding throughout. All crane-set silos come with an enclosed batcher with a dual clamshell gate that greatly reduces the risk of product segregation and coning. All models incorporate safety features such as a skid-resistant maintenance platform, top perimeter guardrail and solid-steel toe-stop kick plate. In addition, a 10 cm fiberglass dual layer blanket insulation at

the barrel provides superior heat retention for the stored hot mix asphalt. ADM equips all models with alarms to alert operators when asphalt levels are high.

The silo cone has a 60° taper to a 76 cm discharge opening. The cone is double welded to the silo barrel, which extends past the cone. The cone is heated with pressure-tested hot oil tubes and has 10 cm of insulation embossed with a stucco finish. Asphalt producers also have the option to choose an electric heating system to maintain the asphalt at the desired temperature.

Producers can equip all silos with low material signal alarms and stand alone remote level monitors and displays. All silos may also feature optional remote location lubrication systems and AR or ceramic cone liners and drag conveyor floor liners. Other options include a heated silo barrel, safety gates, heated gates, gate seals, blue smoke recovery systems, air supply systems, drag conveyors, transfer drags for multiple silo configurations, and a loadout system.

ADM Loadout computers work in conjunction with truck scales, weight batchers or reverse (negative) weigh systems. Operators use the loadout computer to access truck loading data, job files, silo inventory and more. Loadout options include remote data access, traffic signal lights and control, license plate capture, mix temperature capture, remote printers or paperless ticket printing.

The crane-set models are available in 91-, 136-, 181- and 272-t capacities with portability options available for the 91-, 136-, and 181-t capacity silos. Producers transport crane-set portable silos using a built-on gooseneck with a 5<sup>th</sup>-wheel kingpin hitch and dual-axle air ride suspension.

The self-erect silos are available in 27-, 45- and 68-t capacities. The self-erecting silo is raised using heavy-duty cables attached to the silo and the drag conveyor. The drag conveyor is raised using a hydraulic cylinder system. Self-erecting silos and the drag conveyor are supported on a heavy-duty steel tubing frame that provides for a 3.40 m wide x 3.43 m high



Four training sessions will be conducted in the 1<sup>st</sup> quarter of 2019. Training will take place in Ridgeway, South Carolina.

#### ASPHALT COMPACTION AND HANDS-ON ROLLER TRAINING

With asphalt compaction, selecting the right roller with the right set of features to meet job criteria is critical for the paving team's success. This course dives into the basics of asphalt compaction and teaches through hands-on roller operation. BOMAG specialists offer advice on selecting the most suitable equipment by job parameters and cover technical roller troubleshooting and daily maintenance items.

Attendees will learn how to use specific BOMAG roller features like Economizer, TanGO, Asphalt Manager and BOMAG Compaction Measurement (BCM).

Four 1-day training sessions will be conducted in Ridgeway, in the first quarter of 2019.

The hands-on roller training course takes place the day immediately following the paving training session, so attendees can



efficiently take advantage of both training opportunities. Companies attending both courses receive a 10% discount.

Source: BOMAG

## New Color of CULTEC Chambers Has Added Benefits

CULTEC recently announced an important design change that will allow for improved product integrity, safer handling, and a fresh look rebranding of its product line.

The company's classic black chambers with a blue stripe have been a recognized staple in the marketplace since the company invented the original plastic chamber over 30 years ago. CULTEC even trademarked the tagline "The Chamber with the Stripe."

Traditionally, CULTEC included carbon black in its chamber material formulation for protection against ultraviolet radiation and weathering. This is a common practice used in the plastics industry for pipe, sheets, and films. CULTEC found that in the hotter climates, the black chamber's surface temperature was not only hot to the touch, but at extreme hot temperatures, the mechanical properties of the units were impacted.

As a result of customer feedback and field and laboratory testing, CULTEC decided to add a thin, blue "sunblock" layer to the chambers. The new, blue outer chamber surface contains a special formulation to protect against ultraviolet and weathering damage. The blue color also greatly reduces the surface temperature of the chambers in direct sunlight. The inside surface of the chamber continues to be black, providing the most cost-effective product possible.

The new color designation will also allow for quicker identification of heavy-duty versus standard-duty versions of the CULTEC chambers in the field and at supply yards. All of CULTEC's heavy-duty traffic-rated (HD) chambers will now be manufactured with blue material. Standard-duty versions of the chambers (available on some models) will remain unchanged as black without a stripe.

Source: CULTEC, Inc.



drive-through clearance. Producers transport self-erect silos on a gooseneck trailer with a 5<sup>th</sup>-wheel kingpin hitch. A trailer with a quad-axle and air ride suspension supports large units. Small and mid-sized trailers feature leaf spring suspension and

either a tandem or tri-axle. The silo and conveyor pivot into the upright position quickly and easily.

Source: Asphalt Drum Mixers, Inc.



## "Everyday Heroes" Kenworth T680 Auctioned Off to Support Truckers Against Trafficking

In an effort to further educate and fund efforts against human trafficking, Inland Kenworth has once again put together a special "Everyday Heroes" Kenworth T680 with a very distinctive paint scheme and signage. The project, in conjunction with Truckers Against Trafficking (TAT), has received significant support from platinum sponsors Kenworth Truck Company, Inland Kenworth and Ritchie Bros., along with other leading industry suppliers.

Proceeds from the sale of the Kenworth T680, which has a retail value of US\$162,000 (\$215,000), will go directly to TAT – a non-profit organization devoted to stopping human trafficking by educating, mobilizing, and empowering the nation's truck drivers and rest stop employees.

"This started out as an idea in 2017 that got rolling, and it was a great success," said Don Blake, who serves as new truck sales manager at Inland Kenworth – Phoenix, in Tolleson, Arizona. "Now, the spon-

sors we've worked with again are so supportive. It shows our industry's true colors to pull together to raise money for a great cause. I'm especially appreciative to Kenworth. When I reached out to see if they would be a sponsor again, they were more than happy to help. Kenworth has been great to work with, and in 2019, the T680 will have its own booth at TMC and the Mid-America Trucking Show.

Even with the auction still 5 months away, Mr. Blake is ahead of schedule with signing sponsors at different sponsorship levels that help build the T680.



"Nearly every single company that donated in the 2017 auction has agreed to sponsor the truck in 2019, and we've added new sponsors this year as well," said Don Blake. "There are many good companies willing to donate their time and money to this great cause. When the auction is done, there will be an owner with a special truck that is fitted with the best specs."

**NEVER ATTACH  
BANNERS  
TO SCISSOR LIFTS**

**BANNERS CAN ACT LIKE A SAIL IN STRONG WINDS**

**IPAE**  
THE WORLD AUTHORITY IN POWERED ACCESS

[WWW.IPAE.ORG/ANDYACCESS](http://WWW.IPAE.ORG/ANDYACCESS)  
Ref. A01 12/2019/na

**On-Board Weighing System  
Weighlog 200**

**RDS TECHNOLOGY**  
100% PORTABLE UNIT

- Ensures correct loading of vehicles or product
- 5 display channels
- Static and dynamic weighing modes
- Printer compatible

**1-800-363-8727**

**INNOTAG**  
**INDUSTRIAL**

2080 Pierre-Louis-Le Tourneur Street, Beloeil, QC J3G 6S8 • 450-464-7427  
[www.innotag.com](http://www.innotag.com) • [/innotagdistributionsinc](https://www.facebook.com/innotagdistributionsinc)



Providing support for the 2019 "Everyday Heroes"

Kenworth T680 are Platinum Level: Kenworth Truck Company, Inland Kenworth and

Ritchie Bros; Gold Level: PACCAR Engine, SEG Automotive, and Swift Charities; Silver Level: Bendix, Bridgestone, Eaton, FlowBelow, Horton, Jost, Meritor, PACCAR Financial, PACCAR Parts, PeopleNet, Utility Trailer Sales of Arizona, and WABCO; and Bronze Level: Alcoa, Arizona Rock Product Association, Arizona Trucking Association, Beaver Stripes and Molding, Chevron, ConMet, Davco, East Penn, Ex-Guard®,



National Seats, PrePass / Help Inc, Sheppard, and Tectran.

According to Kendis Paris, executive director of Truckers Against Trafficking, truckers are making a big difference. In the United States alone, profits from the crime of human trafficking are estimated to be worth \$32 billion.

Source: Kenworth Truck Company

Advertise in the **FIRST** and **ONLY** trade magazine reaching users of heavy machinery and specialized equipment **ALL ACROSS CANADA!**



The 2019 Media Kit is available for download on [www.infrastructures.com](http://www.infrastructures.com)

**100% TELESCOPIC**

**Quebec**

**MANULIFT**  
Quebec, 418-851-8442  
Montreal, 418-463-8889

**CENTRE INNOVATION DES LAURENTIDES**  
Montreal, 418-424-0008

**Ontario**

**MANULIFT**  
Toronto, 905-315-8881

**DELTA POWER EQUIPMENT**  
Barrie, 819-778-7374  
Caledon, 919-238-2121  
Forest, 919-796-8338  
Scarborough, 919-827-0129  
Windsor, 919-848-2744  
NORTH ROCK RENTALS  
Yar Cans, 705-937-7389

**Saskatchewan**

**REDHEAD EQUIPMENT**  
Estevan (306) 824-4789  
Lloydminster (306) 825-3424  
Melfort (306) 752-2273  
Prince Albert (306) 763-8484  
Regina (306) 721-2066  
Saskatoon (306) 934-2888  
Swift Current (306) 773-2188

**MENDIPOWER & EQUIPMENT LTD.**  
Moose Lake, 306-236-4488

**SASKATOON MATERIAL HANDLING**  
Saskatoon, 306-266-1244

**Manitoba**

**AGCON EQUIPMENT**  
Springfield (888) 489-2357  
(204) 255-4772

**British Columbia**

**AVENUE MACHINERY**  
Abbotsford, 1-800-283-3276  
Palmer, 1-800-488-4233  
Vancouver, 1-800-661-6411  
MACTHERSON RENTAL  
Whitehorse (867) 433-4428

**Alberta**

**MANULIFT**  
Calgary, 403-536-8668

**Edmonton Rentals**  
780-443-3809

**Smith's Hauling**  
Lacombe, 780-396-3942

«Productivity and safety are the most important. Merlo required an adaptation but they are the only one good enough for us. We just bought our 18m machine.»

Sylvain Descheneaux,  
Construction Sorel Ltée.

# JOST Releases Cylinder Service Guide Video

Jost has produced a new step-by-step video guide to servicing a hydraulic cylinder, as part of a program to improve in-field servicing of its Edbro tipping cylinders. The program also includes extending the JOST service and support network, providing free cylinder care training to end-users, new service manuals and a series of other new videos.

The new video covers all aspects of cylinder care and servicing in a straightforward format that can be viewed in its entirety or “dipped into” for quick refreshers before starting a particular task. It is based on following a servicing operation sequentially through each stage from receipt to sign off, demonstrating each process in clear but simple details, offering tips along the way and showing safe working practices at all points.

Initially the cylinder to be serviced is oriented vertically so that the outer casing can be removed. Because of the weight involved, proper lifting gear, such as a powered overhead winch is required. The casing can then be cleaned, inspected and if necessary repaired or repainted.

Using the lifting gear the cylinder is then placed horizontally onto a work bench so that dismantling, cleaning and inspection can begin. At this point the hydraulic fluid is drained from the cylinder, the video showing how care should be taken to ensure as much as possible is recovered. It is also notable that many of the components will be heavy and still slippery, so require careful handling to avoid knocks and damage.

The video continues to show the dismantling process in detail, offering tips and tricks along the way for safe, efficient and effective progress. For instance, it recommends using an air line to assist in the removal of wear rings, always taking the time to remove any hydraulic oil that has accumulated and shows how to handle heavy and/or delicate parts.

The next stage is thorough cleaning and inspection, removing dirt, grease, paint flecks, metal particles, etc, in fact anything that could compromise performance after reassembly. The inspection should identify scratches and other damage and a decision made whether to repair or replace each part.

The video then goes carefully through the reassembly process, showing how seals, wear rings and other smaller parts are fitted into the large tubes and end plates. Again, there are useful tips, such as how to prevent rotation so that screw holes line up etc.

The new video is aimed at trained maintenance personnel, reminding them how to keep the EDBRO cylinders operational, safe, reliable and able to provide a long trouble free working life. Other new videos are in development and will be launched soon.

JOST also offers full training to maintenance professionals new to tipping cylinder maintenance and servicing. This is free of charge and part of JOST commitment to its customers, so that they are able to



run safe, reliable and profitable transport operations.

Source: JOST UK Ltd.

## The Technology Helping to Prevent Accidents in the Construction Industry

The construction industry continues to thrive throughout the world, with the global market expected to grow in value by 85% to \$20.5 trillion by 2030. Yet while the industry flourishes, one of the biggest issues it faces is that of safety in the workplace where the number of injuries and fatalities caused by accidents on jobsites continues to cause alarm.

In the European Union, construction is the sector most at risk of accidents, with more than 1,300 people being killed in construction accidents every year. Construction workers are 3 times more likely to be killed, and twice as likely to be injured as workers in other occupations.

Research shows that workers in the construction industry are at risk in a number of areas. These include:

- Collisions due to rear, front and side blind spots;
- Collisions due to poor visibility, such as dust, fog, and working at night
- Site workers being struck by vehicles and mobile machines;

- Ear defenders reducing site workers' ability to hear clearly approaching vehicles;
- Tonal back-up alarms being ignored by site workers.

In the high-risk construction industry, organizations have a duty to safeguard their workers. Although many countries are required to comply with their own health and safety standards, organizations are increasingly choosing to invest in enhanced safety systems to protect their workers and keep their reputations intact.

### TECHNOLOGY INNOVATIONS

On construction sites, the need for safety is paramount, particularly as the slightest mistake can have devastating consequences. The latest innovations in technology mean many of these accidents can be prevented.

A range of commercial vehicle safety systems are available to assist construction companies in keeping their staff safe. On-board camera systems can help to alert drivers to possible dangers, while revers-



## Stertil-Koni Scores Record Growth in 2018

Stertil-Koni recently announced that it achieved record sales growth in 2018, capturing additional market share in both the municipal and public sectors across the U.S. and Canada.

"In 2018, the Stertil-Koni inground DIAMONDLIFT became the 1<sup>st</sup> piston-style lift in North America with a continuous recess system. Why is that so significant? With Stertil-Koni, our lifting unit travels horizontally, while fully recessed below floor level, making it easier and safer to lift low-clearance vehicles," noted company president, Dr. Jean DellAmore.

In addition, Stertil-Koni introduced a broader range of adapters in 2018 for the inground scissor ECOLIFT and telescopic piston DIAMONDLIFT. These help facilitate more efficient lifting by engaging the front and rear lifting points on buses and trucks. Stertil-Koni also brought to market inground lift adapters for school buses and trucks. These securely embrace the vehicles' axles, frame or suspension.



Stertil-Koni accelerated its environmental stewardship, building on the "green" movement throughout the transportation sector. One of the top performers in 2018 was the Stertil-Koni wireless Mobile Column EARTHLIFT, made from components that are 98% recyclable and utilizing an Active Energy Retrieval System that saves power and delivers up to 35%

more lifting cycles at maximum load. The company also broadened the deployment of the telescopic piston DIAMONDLIFT and scissor-style ECOLIFT which utilize a high-pressure low fluid volume design with containment systems to mitigate the possibility of hazardous fluids entering the surrounding environment.

Source: Stertil-Koni

ing and warning alarms alert workers when a vehicle is maneuvering near them.

Brigade's reversing alarms harness high-spec broadband sound frequency, emitting a wide range of white sound frequencies. These enable workers to locate the direction of the sounds instantly. Rather than the old style "beep beep", Brigade's reversing alarms create a "ssh-ssh" sound, which dissipates quickly. This means the alarm can only be heard in the danger zone, so there is more chance of alarm-weary workers paying attention. The broadband frequency also gives workers wearing ear protection devices a better chance of hearing the alarm.

### SENSING RISK

Blind spots on large jobsite vehicles and machinery can be particularly deadly. The front, rear and nearside are problematic areas of vehicles, particularly those with elevated driver positions. Harsh construction site terrains, where thick dust and mud often decrease visibility even more, further

increase the risk of accidents.

Radar systems alert the operator to potential risk. They work by emitting a continuous-wave radar that is faster than pulsed-radar products. Some detection systems can produce false alerts, which can lead to frustration for the driver, resulting in genuine alerts being disregarded. Continuous-wave radar protects against false alerts, thanks to the controlled beam pattern, which can be programmed, allowing organizations to fix a bespoke detection area specifically suited to their needs.

When a moving or stationary object is detected, the driver is given an in-cab visual display plus an audible warning. Another advantage installing a radar system is that, unlike cameras, they will continue



to function at optimum levels even in the harshest of conditions, such as rain, fog and snow.

As technology moves forward, systems are being developed to address the need for multiple sensors which have the ability to cover large, complex blind spot areas. While it may not be possible to eliminate every element of risk when maneuvering heavy plant and machinery, radar obstacle detection is a step forward in protecting the lives of vehicle operators and those who work around them.

Source: Brigade Electronics



# FPT Industrial Develops Hydrogen Fuel Cell Powertrain as One of Its R&D Projects

A technology that could lead to a zero-emission engine solution is one of the Research & Development projects conducted by FPT Industrial.

During its Tech Day 2018 event, the company is demonstrated a Hydrogen Fuel Cell Powertrain concept designed for heavy-duty applications. As a multipower solutions provider, the mission of FPT In-

dustrial is to study, test and overcome the constraints to make hydrogen a viable and effective solution – especially for energy demanding applications, thereby delivering performance, autonomy and reliability.

The combination of electric and fuel cells generates a zero-emission vehicle, reinforcing hydrogen as the evolution of Natural Gas for long-haul applications. Thanks to

the advantages of hydrogen for the environment – it is the cleanest fuel possible – FPT Industrial is preparing to lead innovations in this area. Hydrogen could also become paramount in the development of a circular economy, as it can be produced locally through renewable resources from biomethane, wind or solar energy.

The powertrain system developed by FPT Industrial delivers maximum power of 400 kW (535 hp) and comprises the hydrogen tanks, a fuel cell module, a lithium-ion battery pack, an e-axle and an energy management system.

The fuel cell supplies energy to the e-axle, which ensures that the performance is aligned with that of a diesel powertrain. The electric motor integrated in the axle gives power to the wheels and, thanks to smart logic control, ensures the lowest energy consumption possible. The lithium-ion battery supports the fuel cell during the most demanding operations and stores

## InfraStructures

InfraStructures is the only, bilingual magazine reaching buyers and specifiers in the construction, public works, and natural resources industries throughout Canada. For more information or to inquire about how we can assist you in informing our readership about your products and services, contact us at [sales@infrastructures.com](mailto:sales@infrastructures.com)

BUYING AND SELLING USED CONSTRUCTION EQUIPMENT SINCE 1971

**HARDING EQUIPMENT INC.**

**450-437-8848**

[hardingequipment@sympatico.ca](mailto:hardingequipment@sympatico.ca)

Fax: 450-430-5352

**IT'S NOW  
TIME!**



**1996 SMI 8400, GM / GM 700 hp, 4000 t/h capacity, very clean ..... \$105,000**



**1999 VOHL DV-4000, JD 275 hp engine, telescopic chute, ice screw, good condition ..... \$67,500**



**1988 JETAIR II, Cummins engine, very clean ..... \$55,000**



**1997 RPM TECH for snow depot, Cummins 475 hp engine, 3600 h ..... P.O.A.**



**1993 SMI 7250A, GM / GM 410 hp, very clean ..... \$105,000**



**1990 SMI 5250A, two GM diesels, 2000 t/h capacity, very clean, 3300 h ..... \$75,000**



**SMI 7200, rebuilt 1997, GM V-12 engine ..... \$48,500**



**1979 SMI 5250, GM/GM 6-71, new paint, ex-municipal ..... \$39,000**



energy during the vehicle deceleration phase.

Moreover, the powertrain will have smart management and controls, allowing complete visibility of each segment, such as air, integration, thermal systems, fuel and power, to deliver up to 50% powertrain efficiency.

The energy management system provides the minimum amount of energy to satisfy the specific power demand. Depending on the system condition, the software can balance the energy through battery and fuel cell to give the required energy to the e-motor. This will ensure that the fuel cell has a durability of 20,000 hrs. This FPT Industrial proprietary management system coupled with hydrogen tanks can also guarantee an autonomy of around 800 km.

Considering a future scenario, the FPT Industrial Hydrogen Fuel Cell powertrain will have among its advantages: the



highest sustainability with zero-emissions regarding noise and pollutants, diesel-like performance, a similar weight to a diesel powertrain, making a vehicle thus equipped 70% lighter than a battery powered variant (considering a 40 t GVW truck), and 6 times faster filling time than a battery vehicle – the fuel cell has a refilling time of around 20 minutes, while batteries currently take up to 2 hrs.

FPT Industrial is a brand of CNH Industrial, dedicated to the design, production and sale of powertrains for on and off-road

vehicles, marine and power generation applications. It offers a wide range of products, including 6 engine ranges from 42 hp up to 1,006 hp, transmissions with maximum torque of 200 Nm up to 500 Nm, front and rear axles from 2 to 29 t GAW (Gross Axle Weight). FPT Industrial offers the most complete Natural Gas engines lineup on the market for industrial applications, including engine ranges from 136 hp up to 460 hp.

Source: FPT Industrial

*Manufacturer of Demolition tools and Drilling accessories, here in Canada, since 1985*

**TRAMAC  
ALLIED  
STANLEY  
N.P.K.  
RAMMER  
FURUKAWA  
TELEDYNE  
OKADA  
MELROE-BOBCAT**

**GeoRocFor**  
ACCESSORIES INC.

**(819) 569-4207**

www.georocfor.com  
roger@georocfor.ca

**105 Joseph-Robertson, Sherbrooke, QC J1L 2W7**

**GeoRocFor**  
ACCESSORIES

**DRILLING SIMPLIFIED**  
Innovation/Quality/Adaptability

**Xs Drill®**  
Overburden systems  
Drilling tools

MANUFACTURE  
OF DRILLING TOOLS  
FOR OVER 25 YEARS

**GeoRocFor**  
PRODUCTS ARE  
USED AROUND THE  
WORLD IN  
CIVIL WORK,  
FOUNDATIONS,  
WATER WELL,  
MINING  
AND TUNNELING

www.georocfor.com



# John Deere Makes Snow and Debris Cleanup Easy With New Angle and Pickup Brooms

John Deere is updating its line of Worksite Pro™ attachments with 3 new angle and 5 new pickup brooms. The BA72C, BA84C and BA96C angle brooms and the BP72C, BP84C, BR60C, BR72C and BR84C pickup brooms were designed for effortless cleanup in turf, snow and construction applications. Like all Worksite Pro attachments, these angle brooms are optimized to work with John Deere skid steers and compact track loaders. They are also compatible with most competitive models.

"With new OSHA silica dust exposure rules, contractors are in need of attachments with options that meet these requirements and make contractors more competitive bidders," said Jessica Hill, program manager, global attachments, John Deere Construction & Forestry. "We designed a new class of brooms to deliver more durability and jobsite protection to help our customers get the most out of their investments."

The new pickup brooms are superior solutions for dust mitigation challenges and restrictive barriers, like curbs and sidewalks.

These pickup brooms feature a 660 mm diameter brush with standard 50/50 poly-wire segments and optional all-polypropylene brush segments, allowing operators to customize the attachment to their jobsite. The

BR models use bolts for precise brush-contact adjustment, while the BP models incorporate a tool-free system for fast, easy adjustment. BP models feature a 12.7 mm

single-bevel cutting edge; BR models have a 15.9 mm double-bevel cutting edge. Optional 95 l broom-mounted or 113.5 l




roof-mounted water-tank kits are available for dust-suppression applications.

An adjustable baffle on BP pickup broom models increases hopper capacity by 22%,

## BRING ON THE BRAWN

READY, CONNECT, SWEEP



**EDDYNET** EDDYNETINC.COM • 1 866 444-2802

## VTC MFG



**CHANGE ATTACHMENT**



**IN MINUTES**

Call us for more information 450-379-5387  
2430 Principale Street, St-Paul-d'Abbotsford, QC J0E 1A0  
[www.vtcmfg.com](http://www.vtcmfg.com)



offering greater sweeping impact in each pass. A front caster wheel on BP models allows the brush to follow ground contours, while a front bumper on BR models provides extra strength and protection when sweeping close to walls or obstacles. An optional 510 mm gutter brush with wire bristles can be mounted on the right or left side of any model pickup broom for collecting material close to curbs.

Ideal for turf and snow removal applications, the BA model angle brooms feature a hydraulic-angling range of 30° to the right or left of the machine. The 810 mm diameter brush is made from 50/50 poly-wire segments, a well-suited combination for dirt and debris cleanup on hard surfaces. Optional all-polypropylene brush segments are available for work on softer surfaces. Brush-core removal for bristle replacement is quick and easy, with no tools required. Foldaway storage stands help the brush maintain its round shape when not in use.



An optional hood extension provides 180° brush coverage, while a rubber deflector prevents snow from blowing back onto the machine when winter strikes. An optional 114 l roof-mounted water tank kit is available for applications that require dust suppression.

For added performance and durability, both the pickup broom and angle brooms feature a heavy-duty, high-torque, bidi-

rectional motor coupled to the brush core through a 63.5 mm hex hub. The attachments' motor and bearing are protected within the broom-frame structure. Motor and bearing separate from the brush core without having to disconnect any hydraulic hoses, eliminating the risk of oil spills or contamination.

Source: Deere & Company



**ACCESSORIES MACHINERY LIMITED**  
**Phone: 1-800-461-1979**  
 Fax: 1-877-544-5030 • Internet: [www.aolaml.com](http://www.aolaml.com)



**BUCHER schörfling**  
 Full-Size and Compact Vacuum Sweepers  
 From 1 to 10 m³

**USED STREET SWEEPERS  
 VACUUM OR MECHANICAL  
[www.usedsweeper.co](http://www.usedsweeper.co)**

**SWEEPERS AVAILABLE FOR RENT**



- Replacement Parts for Most Makes of Sweepers
- Street Sweeping Brushes
- Weed Brushes




**We're getting ready for next winter!**

**Don't miss the Annual  
 WINTER ROAD MAINTENANCE &  
 SPECIALIZED EQUIPMENT Issue**

For many years **InfraStructures** has been the best way to reach Snow Removal Professionals everywhere in Canada.



Advertise with us!  
 The complete media kit is available online at  
**[www.infrastructures.com](http://www.infrastructures.com)**

**InfraStructures**  
 Deadline is July 15, 2019!  
 Info: 416-795-1295



## Takeuchi Launches TB250-2 Compact Excavator to Market

Takeuchi-US recently announced the release of its newest compact excavator, the TB250-2. Weighing 4970 kg with a canopy, the machine provides Takeuchi with a true 4.5 t excavator offering that is well suited for a wide range of applications including landscape, general contracting, and rental.

Features on the excavator include a long arm with integrated thumb mount and a max dig depth of 3.78 m. Takeuchi Fleet Management telematics system or TFM comes standard on the unit. This system allows the owner to view machine vitals, location, utilization, performance, and maintenance data remotely and can be instrumental in ensuring machine uptime and availability.

A 4-pump hydraulic system provides exceptional multi-function capability and precision pilot joysticks deliver smooth, metered control. The TB250-2 is also an excellent attachment platform. The primary auxiliary circuit delivers 91.6 l/min and is controlled using a proportional slide



switch located on the left hand joystick. The multi-function monitor makes it possible to adjust hydraulic flow rates from the cabin, and multiple presets allow attachments to be exchanged quickly and easily. Additionally, detent mode provides continuous oil flow for various types of hydraulically-driven attachments helping to improve efficiency and reduce fatigue.

Serviceability of the TB250-2 is easy to perform due to the large hoods, which

open overhead providing access to key daily inspection points, pattern change valve, selector valve, control valve, battery, and toolbox. All grease points are clearly marked and easy to locate down one side of the machine. The fuel fill is located behind a lockable access panel and features a site gauge to simplify refueling.

Source: Takeuchi

## Allen Introduces the New HDX605 Hydra-Drive Extreme Riding Trowel

Allen recently announced the debut of their new HDX605 Riding Trowel. The HDX605 is a hydraulically-controlled, 8' class (2.6 m) ride-on power trowel that is powered by a powerful Kubota gasoline engine.



The HDX605 was designed with the high volume flatwork concrete contractor in mind. This riding trowel comes with cruise control, digital readouts for accurate fuel levels and diagnostics, and a large 49 l fuel tank for longer run times. It is also equipped with powerful pumps that help maintain excellent torque even at high



rotor speeds. This makes the machine excellent for panning or finishing operations.

The HDX605 also features a 57 hp Kubota WG1605 gasoline engine which is a lower cost alternative to a T4f diesel engine.

Allen Engineering Corporation, headquartered in Paragould, Arkansas, is a family-owned company. It designs, engineers, manufactures and markets concrete and related equipment with the number one goal of Total Customer Satisfaction.

Source: Allen Engineering Corporation



# Chevrolet Silverado to Pace 2019 Daytona 500

Dale Earnhardt Jr. will find himself in a very familiar place at the 2019 Daytona 500: at the front of the pack. A 2-time Daytona 500 winner, he will drive the 2019 Chevrolet Silverado pace truck to lead the field to green for the 61<sup>st</sup> running of The Great American Race. This is the first time the Daytona 500 will be paced by a pickup truck.

In addition to winning The Great American Race in 2004 and 2014, Dale Earnhardt Jr. was a 2-time winner of the July race at Daytona, overall scoring 4 wins, 13 top 5 finishes and 19 top 10s in 36 NASCAR Cup Series career starts at Daytona International Speedway. He was voted the sport's Most Popular Driver for 15 consecutive years.

"Dale Earnhardt Jr. was the perfect choice to pace the race because of his enthusiasm for the sport, his long history with Chevrolet and his love of trucks," said Jim Campbell, Chevrolet U.S. vice president of Performance Vehicles and



Motorsports. "It'll be exciting to have Dale lead the field to green in the strongest, most advanced Silverado ever."

The Silverado pace truck is powered by a production 6.2 l V-8 engine paired with a 10-speed automatic transmission. It delivers 420 hp and 460 lb-ft of torque.

Chevrolet has paced the Daytona 500 a total of 12 times, 7 with Camaro and 5 with Corvette.

Source: Chevrolet



**98% of customers re-order after trying Piranha!**

**THE PIRANHA MAKES YOUR SWEEPER DO THE JOB RIGHT THE FIRST TIME!**



**110 Sweeping Hours**

The Piranha is a universal attachment which holds up the gutter broom, extending its sweeping life up to 200 hours!

**Increases - gutter brush life by 3X by holding up your gutter brush**

**Cleares -** the gap between the asphalt and the concrete curb



**Fits -** all bolt-on type gutter brush sections

**Weed Rip -** attacks weeds at the roots and clears away weed seeds

**Light Segments -** reduce stress in your hydraulics by reducing gutter brush friction. Less stress on pins and bushings



**168 Sweeping Hours**

**www.balainnomad.com**

**460 630-9873**

Hydrated in Canada / Made in Canada / Produits de balais / Produits piranha

**ECOLOGICAL**  
100% RECYCLABLE

**SAVE TIME**  
**SAVE MONEY**

Get ready for the

**International Construction & Utility Equipment Exposition (ICUEE)**

that will be held in Louisville, Kentucky  
October 1-3, 2019.

Send us your ads or news releases to be featured in the September issue of

**InfraStructures**

**Deadline is August 15, 2019!**

**Info: 416-795-1295**

Advertise with us!

The complete media kit is available online at

**www.infrastructures.com**



## First-ever Chevrolet Silverado 4500HD/5500HD/6500HD Trucks Shipping to Dealerships

The Chevrolet Silverado 4500HD, 5500HD and 6500HD medium-duty chassis cab trucks are in production and on their way to dealerships.

The trucks, which were first shown to the public at the 2018 NTEA Work Truck Show, are designed to be the most customer-focused medium-duty trucks of any major competitor. The Silverado medium-duty production launch caps a record year for GM's Commercial business, with a double-digit year-over-year sales increase expected.

"When we decided to get back into the medium-duty segment, we were determined to build the truck our customers have been asking for," said Ed Peper, U.S. vice president, GM Fleet. "We listened to the needs of fleet managers, truck drivers, technicians and dealers to design a truck that's easy to upfit, easy to drive, easy to service and easy to own."

The new Silverado trucks are popular



with upfitters because the clean, straight frame rail design has no rivets, brackets or welds to get in the way. Additionally, the 7 cab-to-axle lengths can work for a variety of upfits. Some of the strongest interest has come from the housing and highway construction, landscaping and utility industries.

"Demand for the new Silverado medium duty has been exceptionally strong from sellers, upfit companies and fleet customers," said John Schwegman, director of

commercial product and medium duty, GM Fleet. "With our large vehicle portfolio from sedans to crossovers to large trucks, our Chevy Business Elite dealers can offer commercial customers a one-stop shop that supports their business needs."

The Silverado medium-duty chassis cab is just 1 of 3 all-new Silverado models Chevrolet is introducing within just 18 months, including the Silverado 1500, 2500HD and 3500HD.

Source: Chevrolet

## Dakar Rally Podium Finish for Team De Rooy With Goodyear Truck Tires

Gerard De Rooy took 3<sup>rd</sup> place in the Truck Class of the 2019 Dakar Rally with all 4 of the Petronas Team De Rooy Ivecos finishing in the top 10 on standard Goodyear Offroad ORD tires. The team was the only one to see all its trucks finish. Dutchman Gerard De Rooy 2-times winner of the Dakar and winner of the Africa Eco Race 2018 finished 3<sup>rd</sup>, Argentinian Federico Vilagra finished 4<sup>th</sup>, Ton van Genugten, also from the Netherlands, won the final stage and took 7<sup>th</sup> place with Maurik van den Heuvel, the other Dutch driver in the team, finishing 10<sup>th</sup>.

Russians Eduard Nikolaev, who has won the event 3 times before, and Dmitry Sotnikov took 1<sup>st</sup> and 2<sup>nd</sup> places in the Truck Class. Two of their 4 Kamaz trucks finished.

Team De Rooy Iveco Powerstar trucks raced on regular Goodyear 375/90R22.5 Offroad ORD tires. As well as racing on Goodyear tires, Petronas Team De Rooy Iveco ran Goodyear OMNITRAC mixed service tires on their service trucks, which followed the team on the rally.

"It is not the podium place we hoped for, but it is and remains a podium position," said Gerard De Rooy. "If you see what has happened in 10 days of competition, up to and including the last day, then we certainly can't complain. With the fact that we are also the only team with all 4 of our trucks finishing and all in the top 10, I can only be very satisfied. This was one of the toughest Dakars to date and with 70% of it on sand, tires were a critical element."

"We congratulate Gerard de Rooy and his team on their success, which was achieved with regular Goodyear Offroad ORD tires produced in our Luxembourg plant. The hard work they have put in, supported by our engineers in finding the optimum set up for the vehicles, has certainly paid off and our ORD tires have proved the outstanding performance they offer in



the toughest conditions imaginable," said Benjamin Willot, director marketing Commercial Tires Europe at Goodyear.

The 2019 Dakar took place exclusively in Peru, covering 5,000 km of which about 70% was on sand, and included 10 special stages over 3,000 km. The rally started in Lima, Peru, on January 6<sup>th</sup>. More than 330 trucks, cars and motorcycles raced to Tacna on the border with Chile before returning to Lima for the finish on January 17<sup>th</sup>.

Source: Goodyear



## IRE Moves to Maastricht in 2020

The 5<sup>th</sup> International Rental Exhibition (IRE) will be held in Maastricht, The Netherlands, co-located again with the APEX access show, the European Rental Association (ERA) convention and the European Rental Awards dinner.

From June 9-11, 2020, IRE will again showcase an enormous breadth of rental equipment, from compact earthmoving and light compaction equipment to gensets, lighting towers and rental software systems.

Visitors will also be free to move between IRE and APEX, which is the world's largest dedicated access equipment show. The ERA convention will take place on June 10-11 and the European Rental Awards on the evening of June 10.

The MECC Exhibition Centre in Maastricht is situated at the heart of Europe's road and rail network, and free shuttle busses will run regularly between MECC and Brussels and Dusseldorf



international airports.

IRE is organized by BV Industrial Promotions International (I.P.I.) in association with International Rental News (IRN) magazine and KHL Group.

"We are delighted that IRE will again follow the 4-events-in-1 format, held alongside APEX, the ERA convention and the European Rental Awards. That ensures IRE will attract the world's leading rental companies, including the 350-400 delegates at the ERA convention, many of whom are from Europe's largest rental businesses," said Tony Kenter, managing director of I.P.I.

"The shift to Maastricht will be good for the event. Maastricht is a great place for networking – it is a compact, beautiful city – and is well connected by road and rail. The free shuttle busses from Brussels and Dusseldorf airports will make it easy for international visitors," said James King, managing director of KHL, publisher of IRN.

Source: BV Industrial Promotions International

## Spider's Canadian Distributor Wins Best Booth Award at LO Congress



J&S Performance, the family-owned Canadian distributor of Spider remote-controlled slope mowers, had a very successful expo at the Landscape Ontario's Congress, culminating in the award for the best booth in the 37-74 m<sup>2</sup> category.

The award-winning booth at the expo, held at the Toronto Congress Centre early this January, featured a selection of Spider's unique 4-wheel drive, 4-wheel steer multi-terrain mowers and attracted a very healthy number of visitors during the 3-day event.

Manufactured in the Czech Republic by Dvorak-Svahove Sedkacky S.R.O., Spider mowers are built to tackle the tasks that are considered too dangerous for operators to complete alone. They can climb slopes up to 55° with the assistance of an integrated stabilizing winch and are able to cut down all vegetation that the machines can push over. With safety and productivity in mind Spider mowers are an affordable option that keeps operators safe, while keeping jobsites maintained to the highest industry standard.

"That was a great show; we had excellent footfall across the booth and a lot of interest in the products. This is our 3<sup>rd</sup> visit to the Landscape Ontario Congress and each year has just gotten better," said Scott Ruttan, managing director of J&S Performance. "We were unknown 3 years ago, but the exposure here and through our membership of LO trade association has certainly helped us establish the brand and move product. We are still looking to expand our dealer network across the country and had several interested parties talking to us. We will be following up on these, and the sales leads, in the next few weeks. To win the best booth award in the major category at the show was a significant step for us, especially when you look at the prestigious exhibitors in the hall. To say we are delighted is an understatement."

Source: J&S Performance and Distribution Ltd.

## InfraStructures

reaches more heavy machinery and specialized equipment users than any other trade magazine in Canada.

The Media Kit is available on InfraStructures' website at [www.infrastructures.com](http://www.infrastructures.com)



# Appointments

**Continental** has appointed **Reinhard Klant** as the new Earthmoving product line manager for Commercial Specialty Tires (CST).

Mr. Klant joined Continental back in 1988. Since then, he has held several positions in international marketing and sales management. In 2004, he joined the Continental Commercial Specialty Tire unit. Most recently, he was responsible for the Benelux markets and a key account manager at Commercial Specialty Tires.

Reinhard Klant succeeds Christian Luther, who has recently taken over global responsibility for the technical customer services at Continental CST.

Source: Commercial Specialty Tires



**General Motors** recently announced the appointment of **Mark Reuss** as company president, effective immediately. Mr. Reuss currently leads the Global Product Group and Cadillac and will now assume responsibility for the Quality organization.

"Mark's global operational experience, deep product knowledge and strong leadership will serve us well as we continue to strengthen our current business, take advantage of growth opportunities and further define the future of personal mobility," said GM chairman and CEO Mary Barra. "Mark has played a critical role in leading the development of the company's award-winning vehicles while transitioning his team to prepare for growing electrification and autonomous technologies."

According to Mark Reuss, "I am very proud to have spent my entire career at General Motors, and to now take on this new role is truly a great honor. With our current lineup of outstanding cars, trucks and crossovers around the world, I'm looking forward to keeping our momentum going at full speed."

Mr. Reuss added responsibilities for Cadillac and global portfolio planning in June 2018. Since then, he has been building an integrated product development and Cadillac organization to support an accelerated product and technology launch cadence and the brand's global growth plans. Cadillac will be introducing a new vehicle every 6 months through 2021.

Mark Reuss has also been leading the transformation of the company's global product development workforce and processes to drive world-class levels of engineering in advanced technologies and improve quality and speed to market. He is doubling the resources allocated to electric and autonomous vehicle programs in the next 2 years.

Source: General Motors



**Hatz Diesel of North America** has appointed **DeeAnn Curzon** as the new executive assistant to the president and management team. She brings over 25 years of administrative experience to Hatz including operations, project coordination, data management systems and scheduling. At her previous position, she served as the lead administrative team professional for a corporate appraisal firm in Milwaukee. While there, she was instrumental in the implementation of a new corporate structure, improvement of management systems for calendar planning and the training of regional staff.

"DeeAnn's drive, commitment and experience will help her become an important part of our Hatz Team," said Mike Hartoonian, president and CEO of Hatz Diesel of North America.

The company has also officially named **Steve Zovar** as customer service manager for North America. He will oversee Hatz parts, service, warranty and technical support which has been placed under a single umbrella.

"This new position has been created to streamline all aspects of our customer service and improve the customer experience," added Mr. Hartoonian.

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

Source: Hatz Diesel of North America

**iQ Power Tools**, manufacturer of premium power tools with integrated dust collection technology, has announced the promotion of **Paul Guth** to president.

For over 15 years, Mr. Guth has been the vice president of product development at iQ Power Tools. A 3<sup>rd</sup>-generation mason by trade, he brings over 30 years' experience as a general, masonry, concrete and tile contractor, providing major contractor insight to all of iQ Power Tools' designs.

As the firm's lead designer, Paul Guth not only managed a creative team for solution-based tool designs, he also has invented, designed and patented several innovative new tools and fastening solutions for the construction industry. A true inventor, he currently holds 10 patents plus numerous new inventions in patent-pending stages.

During his extensive career, Mr. Guth has managed the research and development, production, and distribution of related construction power tools, diamond blades, fasteners, and more. He has been responsible for introducing game-changing dust collection solutions to the construction marketplace via new product launches and industry tradeshows.

Recognizing that health and safety in construction is a global issue, Paul Guth is spearheading the path to expand iQ Power





Tools beyond North America to the global construction markets starting in Europe, Australia, and eventually, the world.

Source: iQ Power Tools

**Nortrax** would like to announce that president and CEO **Tim Murphy** has decided to retire from the company. **Chris P. Holmes**, currently vice president of product support and marketing, has been appointed to the position, effective January 1<sup>st</sup>, 2019. Mr. Holmes will lead the Nortrax organization in the U.S. and Canada as it aims to further develop Nortrax locations with the best in equipment, customer support and technology.

"After a thorough and thoughtful succession planning process, Chris is the clear choice to lead Nortrax into the future," said Mr. Murphy. "He is an accomplished, results-oriented and high-integrity leader, with an excellent track record of improving our operational efficiency and value-added customer support."

After graduating from the University of New Brunswick in 1985, Chris Holmes began his career with John Deere and held roles of increasing responsibility in sales, marketing and customer support across Canada.

He was also in a leadership role at a major construction and forestry dealership in Ontario, which eventually became a part of Nortrax Canada. Since 2014, he has served as Nortrax vice president of product support and marketing. In this position, he has successfully led the growth and development of the marketing, customer support, and technology groups for the company. In addition, Mr. Holmes has been actively involved in various supplier advisory roles throughout his career.

After nearly 19 years of dedicated service, Tim Murphy has elected to retire, effective January 1<sup>st</sup>. Mr. Murphy began his career with Nortrax in 2000 as vice president and general manager of the Midwest region in the U.S. In 2013, he was named to his present position, in which he has led the Nortrax organization with a keen eye on managing transition and change.

Source: Nortrax, Inc.



Tim Murphy



Chris P. Holmes

## A Unimog U 423 Used as a Tractor Unit



The medium-sized transportation company, T. Shepperson Contracting in St. Neots, near Cambridge in the UK, has chosen a Unimog U 423 as a tractor unit for various transportation tasks. The U 423 has a 5.1 l 4 cylinder diesel engine with an output of 170 kW (231 hp) which it delivers to a transmission with 8 forward and 6 reverse gears.

The determining factor for the purchase was the comparison of fuel consumption in the Shepperson fleet with that of other tractor units and tractors; the Unimog won hands down. On average, the U 423 consumes 30 l less per day, which is (at current fuel prices in the UK) about £1,250 (\$2,150) per month.

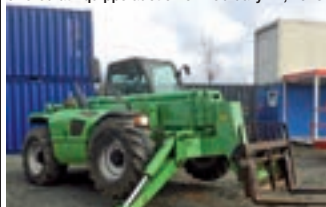
Tom Shepperson, the company's boss, uses his new vehicle for various haulage tasks: from the transportation of excavated earth to agricultural operations and the delivery of waste oil to waste disposal facilities.

Source: Daimler

## Advertise your equipment from \$75 plus tax

Reach more equipment users than with any other trade magazine in Canada!

Offered at Equippo auction on February 22, 2019



2008 MANITOU MT1740SLT telehandler, 1290 hours loading forks, quick coupler, stabilizers and aux. hydraulics, max. lifting height 17 m, max. working load 4 t.  
www.equippo.com Phone: +41 41 544 0404

Offered at Equippo auction on February 22, 2019



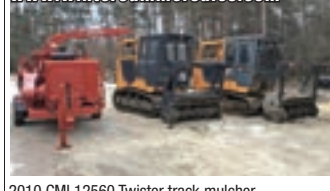
2014 - LIEBHERR L566 loader, 5668 hours Used 2014 Liebherr L566 wheel loader with bucket, ready to work! INSPECTED  
www.equippo.com Phone: +41 41 544 0404

UNUSED AND IN NEW CONDITION



2015 SANDVIK QJ341 jaw crusher, 0 hours The machine is unused and in new condition. Available for immediate sale/dispatch.  
Stock ID: SAN-195 Price: P.O.R  
Crusher Exports Phone: +44 7515 576 103

Visit our website for more related equipment  
www.wintersummersales.com



2010 CMI 12560 Twister track mulcher. 62" FAE PTO drive mulcher head. Price \$78,900 (plus tax) • Financing available Currently 2 CMI 12560 units available in our inventory.  
Call for viewing Phone: 705-985-3570

**22 years on the web!**

Looking for more stories?

Visit [www.infrastructures.com](http://www.infrastructures.com)



# CAF

**FILTRATION/PRESSURIZATION SYSTEMS**

**"WE CLEAN THE AIR YOU BREATHE"**

**MEETS EN 15695**  
in qualifying cab

**CLEAN AIR FILTER**  
CAF@CLEANAIRFILTER.COM  
1-712-748-3642

**LOUIS BELANGER**  
LMB@CGOCABLE.CA  
1-819-818-2848

**DANUSER**



**MB**



**LASKI**



**MESSERSI**



**EASTERN farm machinery limited**  
P.O. #2, 10 Nicholas Road Rd., Guelph, ON, N1H 6H6  
(519) 763-2400 Fax (519) 763-2930 • www.easternfarmmachinery.com

# InfraStructures

Canada's Equipment Magazine • Le Magazine de l'Équipement au Canada

Find us on Facebook



InfraStructures magazine

Extra content that you may well find interesting  
Content that you will not find elsewhere!

<https://www.facebook.com/InfraStructuresMagazine/>

## Free Subscription

Fill out the coupon and send it to us by mail at:

InfraStructures Magazine  
Subscription Department  
4330 Saint-Hubert Street  
Montreal, QC H2J 2W7

by fax at:  
**514-528-9932**  
or by e-mail at  
[subscriptions@infrastructures.com](mailto:subscriptions@infrastructures.com)

.....send the changes to us by mail or by fax or type-in the information in an e-mail.....

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Company: \_\_\_\_\_

Mailing address: \_\_\_\_\_

City: \_\_\_\_\_

Province / Postal Code: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Website: \_\_\_\_\_

E-mail: \_\_\_\_\_

## Agenda

### 2019 NSSGA Annual Convention / AGG1 Academy & Expo

February 10 - 13, 2019  
Indianapolis, IN USA

### World of Asphalt 2019

February 12 - 14, 2019  
Indianapolis, IN USA

### National Pavement Expo 2019

February 27 - March 2, 2019  
Nashville, TN USA

### PDAC 2019

March 3 - 6, 2019  
Toronto, ON Canada

### The Work Truck Show

March 5 - 8, 2019  
Indianapolis, IN USA

### National Heavy Equipment Show

March 28 - 29, 2019  
Toronto, ON Canada

### ISR2019

April 6 - 11, 2019  
Los Angeles, CA USA

### bauma

April 8 - 14, 2019  
Munich, Germany

### WasteExpo 2019

May 7 - 9, 2019  
Las Vegas, NV USA

### A.P.O.M. Technical Day

May 16, 2019  
Mirabel, QC Canada

### Canada North Resource Expo

May 24 - 25, 2019  
Prince George, BC Canada

### 2019 AORS Municipal Public Works Trade Show

June 5 - 6, 2019  
Chatham, ON Canada

### Atlantic Truck Show

June 7 - 8, 2019  
Moncton, NB Canada

### MATEXPO 2019

September 11 - 15, 2019  
Courtray, Belgium

### A.P.O.M. Technical Day

September 12, 2019  
Saint-Raymond-de-Portneuf, QC Canada

### ICUEE - International Construction and Utility Equipment Exposition

October 1 - 3, 2019  
Louisville, KY USA

### inter airport Europe 2019

October 8 - 11, 2019  
Munich, Germany

### waste&recycling expo Canada

October 9 - 10, 2019  
Toronto, ON Canada

### APEX Asia co-located with CeMAT ASIA

October 23 - 26, 2019  
Shanghai, China

### bautech 2020

February 18 - 21, 2020  
Berlin, Germany

### CONEXPO-CON/AGG 2020

March 10 - 14, 2020  
Las Vegas, NV USA

### SMOPYC

April 1 - 4, 2020  
Zaragoza, Spain

### 5<sup>th</sup> International Rental Exhibition (IRE) / APEX access show

June 9 - 11, 2020  
Maastricht, The Netherlands

### steinexpo

August 26 - 29, 2020  
Homburg/Nieder-Ofleiden, Germany

### bauma CHINA

November 24 - 27, 2020  
Shanghai, China

bauma

steinexpo



WHERE  
**BIG IRON**  
& **TECH** **SHARE THE STAGE**



**NORTH AMERICA'S LARGEST  
CONSTRUCTION TRADE SHOW**  
**CONEXPOCONAGG.COM**

**MARCH 10-14, 2020 | LAS VEGAS, USA**





# WE KNOW THE SNOW



2019

## LARUE D65



LARUE D40 2018



LARUE D45 2018



LARUE D50 2018



LARUE D60 2018

EXCLUSIVE DISTRIBUTOR

**LeeBoy**

**Rosco**

**LB/P**



**DYNAPAC**

Montreal/Laval  
DAVID OLIVIER  
Tel.: 450-781-3693  
Cell.: 514-953-3033

Quebec  
ÉRIC ROY  
Tel.: 418-658-3003  
Cell.: 418-564-4557

Follow us



Visit our web site

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