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E: [patrick.jeclerc@ssab.com](mailto:patrick.jeclerc@ssab.com)

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**PUBLISHER**

Jean-François Villard  
editor@infrastructures.com

**CONTRIBUTING EDITORS**

Rob Holden  
Paul Vanderzon  
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](mailto:subscriptions@infrastructures.com)

**MAILING ADDRESS**

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

**INTERNET**

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



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## A Brief Word...

*With the AORS Trade Show behind us it is well and truly summer-time.*

*Something that has come up in discussions with operators, managers, and manufacturers at shows this year has been how trade shows can be more value added both for exhibitors as well as attendees.*

*We are in an era where equipment is increasingly becoming a commodity which is permitting the accountants to make selling mainstream machinery a price war, not a features/benefits one. So how can new technology, processes, improvements in functionality, productivity or efficiency really get the point across and inform buyers and users, when trade fairs lack an effective drawing tool to ensure maximum participation by informed decision-makers and influencers?*

*The organization that can create an agenda targeting a known issue and offer added value to attendees, rather than counting tire kickers, will set a standard for at least the next decade, and culture a dedicated and committed audience. If or when this is done, suppliers will queue up, willingly knowing their investment will put them in front of the constituency, they need to be in front of, to warrant the spending they annually make.*

*We, as a community of organizations and individuals working collectively and competitively, need to consider this, if these events will continue to be attended and funded.*

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On the cover:

Lecompte Excavation Ltée is fixing up a street with their new acquisition, a John Deere 245G excavator, in the Municipality of Saint-Faustin-Lac-Carré, in Quebec's Laurentian region.



## FINNING TO ACQUIRE KRAMER CAT® DEALERSHIP IN SASKATCHEWAN

Finning International Inc. recently announced it has reached an agreement to purchase the operating assets of the Cat dealership of Kramer Ltd. for approximately \$230 million, subject to working capital adjustments. In 2014, the acquired dealership business generated approximately \$275 million in revenue. Finning will become the approved Cat dealer in

Saskatchewan in July of this year, subject to customary closing conditions. After a remarkable 70 years of service in Saskatchewan, the Kramer family has decided to retire from the equipment dealership business.

This acquisition combines complementary capabilities, customer bases and highly skilled employees across Finning's territory in British Columbia, Alberta, Yukon, Northwest Territories and part of Nunavut with

Kramer's presence in Saskatchewan.

The companies already share common customers who operate across these adjacent territories and will benefit from the continuity and support of a single dealer. Customers will also benefit from improved equipment and parts availability, world-class product support and access to Finning's extensive branch network of 50 locations.

For Finning, Saskatchewan is a highly attractive growth opportunity that diversifies its revenue base into sectors such as potash and uranium. The acquisition will be funded with cash and will be immediately accretive to earnings per share.

Joining Finning is a talented and dedicated team of 475 Kramer employees with a deep understanding of the local market and well-established customer relationships throughout the province at parts, sales and service locations in Estevan, Kindersley, Battleford, Regina, Saskatoon, Swift Current and Tisdale in addition to Cat Rental Stores in Regina and Saskatoon.

Tony de Sousa has been named the executive to lead Finning Saskatchewan. He will be based in the Saskatchewan headquarters, which will remain in Regina. He has been with Finning for 39 years and has extensive senior leadership experience in sales, service and operations.

In support of this acquisition, Finning's financial and legal advisors were RBC Capital Markets and Borden Ladner Gervais LLP, respectively.

Source: Finning International Inc.

## SUPERIOR INDUSTRIES ACQUIRES MFE MANUFACTURING

Superior Industries, Inc. announced recently its acquisition of MFE Manufacturing. Family owned and operated since its founding in 1947, MFE designs and builds portable plants for construction, aggregates and material handling industries. The 68-year old company is headquartered in Miramichi, New Brunswick.

Today, MFE is best known for engineering and fabricating portable processing plants, including jaw and cone crushing systems, screen plants and belt feeders. The company also designs and builds stationary structures for bulk material handling applications. MFE operates from a 2,300 m<sup>2</sup> plant at the mouth of the Miramichi River.

According to Superior, the acquisition al-



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lows the manufacturer to boost its existing offering of portable plant designs. In addition, MFE's location in the northeast adds another, strategically located factory to Superior's North American portfolio, which includes existing plants in the Northwest, Southwest, Southeast and Midwest. Furthermore, the 2 companies share similar strategies incorporating the voice of the customer into product designs, including highly mobile equipment designed for fast setup.

Source: Superior Industries, Inc.

#### LEAVITT MACHINERY NAMED DEALER FOR PETTIBONE/TRAVERSE LIFT

Pettibone/Traverse Lift, LLC announces the addition of Leavitt Machinery to its dealer network for all material handling product lines. Leavitt will carry Pettibone equipment at its locations in Saskatchewan, Alberta and British Columbia in Canada, and Washington in the U.S.

"We are excited to welcome Leavitt Machinery to the Pettibone family," said Scot Jenkins, president of the Pettibone Heavy Equipment Group. "Leavitt has a tremendous reputation for providing premium equipment solutions to the material handling industry, making them a perfect match with Pettibone's long-standing commitment to quality. We look forward to a long and productive partnership."

Leavitt Machinery's full-service branches provide cost-effective new and used equipment sales, emergency repairs and planned maintenance, long- and short-term equipment rentals, operator safety training and extensive parts support. The company's primary emphasis with Pettibone will be promoting the Cary-Lift product line for pipe handling in oil and gas applications, as well as for tire handling in mines and quarries. The company will also carry Pettibone's Extendo and Traverse telehandler lines for the construction market, and the Speed Swing loader for railway maintenance.

"We take pride in delivering a wide variety of material handling equipment options to our diverse array of customers," said John Mutis, senior vice president of sales for Leavitt Machinery. "Pettibone's rugged and innovative machines are a great complement to our existing product lines. We expect to achieve great success with their equipment, particularly in demanding load handling applications."

Pettibone/Traverse Lift, LLC is part of the Pettibone, LLC Heavy Equipment Group. Founded in 1881, Pettibone has been recognized as the industry leader in material handling equipment since the company revolutionized the industry with the first forward-reaching, rough-terrain machines in the 1940s.

Source: Pettibone, LLC

#### TOPCON ACQUIRES DIGI-STAR

Topcon Positioning Group announces the acquisition of Digi-Star, a global leader in agricultural solutions involving weight sensors and control systems for feeding, planting, fertilizer, and harvest equipment manufacturers.

Based in Fort Atkinson, Wisconsin, Digi-Star is a global supplier of electronic equipment, precision sensors, optical yield and feed management sensors, displays,



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position verification, and software used by farmers and other equipment operators to precisely measure and analyze valuable data from critical farming processes. Digi-Star has a unique balance of expertise in the livestock and grain equipment markets.

In 2012, Digi-Star purchased RDS Technology, a UK-based company, which possesses similar technology for agricultural and construction applications – adding engineering, development and manufactur-

ing facilities in Europe.

Digi-Star currently employs more than 220 employees in its 3 locations, with approximately half located in the U.S. or Europe. Its operations will continue to be based in Fort Atkinson, Wisconsin to provide manufacturers, dealers, and end-users a high level of service, support, and product expertise.

Source: Topcon Positioning Group

## LBX SELECTS ORBCOMM FOR GLOBAL HEAVY EQUIPMENT TELEMATICS

ORBCOMM Inc. recently announced that LBX Company, the maker of Link-Belt hydraulic excavators, has selected ORBCOMM to provide satellite data communications for its global original equipment manufacturer (OEM) telematics application.

LBX will utilize the ORBCOMM satellite network to enable its customers to track and monitor their heavy machinery worldwide through its RemoteCARE® equipment management tool. RemoteCARE provides timely and reliable machine location, operational performance, working status and periodic maintenance reporting, as well as offering 24 hour security and geofencing capabilities. Leveraging ORBCOMM's cost-effective and reliable satellite connectivity, LBX customers can significantly reduce operating costs, minimize equipment downtime and increase theft prevention, while gaining complete equipment visibility and performance monitoring metrics.

"LBX's selection of ORBCOMM for satellite connectivity affirms our position as the network of choice for heavy equipment telematics," said Marc Eisenberg, ORBCOMM's CEO. "LBX joins other major global heavy equipment OEMs already using ORBCOMM throughout the world that are unlocking significant value when they equip their assets with our M2M network."

"With ORBCOMM's reliable global satellite coverage, our customers can obtain mission-critical data from their Link-Belt excavators, while operating nearly anywhere in the world, providing real and immediate ROI savings," said Rod Boyer, vice president of Customer Support for LBX.

LBX began initial deployments of their telematics solution in early 2015.

Source: ORBCOMM Inc.

## LOADMAN PARTNERS WITH TRUX TO DELIVER INTEGRATED DATA SOLUTION TO HAULERS

Creative Microsystems Inc., a global leader of on-board truck scales and developer of LoadMan® weighing systems and TRUX Route Management Systems Inc., a leading software solutions provider for the waste and recycling industry, recently announced a technology partnership and integration. The partnership provides mutual customers a comprehensive solution delivering accurate, real-time customer,

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LoadMan on-board truck scales are simple to install on the full range of refuse trucks and work seamlessly with TRUX software applications. Patented weigh-in-motion technology from LoadMan accurately weighs each load, net vehicle weight and provides a date and time stamp. The TRUX Driver Assist application works on any Android-enabled tablet in the

cab and transfers data real-time to the back office for immediate use and analysis.

"The LoadMan/TRUX solution has dramatically improved our ability to create efficiencies, automate processes – many of which used to be manual – and better manage our business," said Vince Mocer, president of Windsor Disposal Services. "Our drivers can now solely focus on their routes, while data is being collected automatically and sent to our back office.

The integration is seamless and we're very pleased with the reliability, accuracy and ease-of-use of the system. Both companies stand behind their products and are always available for guidance and support."

Source: Creative Microsystems, Inc.

TRUX Route Management Systems Inc.  
 booth 1820

## CATERPILLAR INVESTS IN PEER-TO-PEER EQUIPMENT RENTAL STARTUP COMPANY

To help customers maximize the use and productivity of the equipment they own, Caterpillar Inc. is entering an agreement with Yard Club, a startup company that has developed an online peer-to-peer equipment rental platform. Caterpillar has provided strategic financing to Yard Club, based in San Francisco, California, and will launch the online ordering platform in specific metropolitan markets in conjunction with U.S. and Canadian Caterpillar dealers. The peer-to-peer rental platform will include both Cat® products and non-Cat branded products.

"Peer-to-peer technology has changed other industries like transportation and lodging, and Yard Club has developed an innovative solution initially for the construction equipment industry," said Phil Kelliher, Caterpillar's vice president with responsibility for Americas Distribution Services Division. "Using this platform, a contractor can rent an excavator that's in between jobs to another contractor who needs that machine. The Cat dealer will use this tool as another avenue to strengthen customer relationships by increasing the utilization rates of heavy equipment and lowering the total cost of equipment ownership."

Since its founding in 2013, Yard Club has focused on construction contractors in the San Francisco area. With Caterpillar's investment, Yard Club will further develop the platform and expand club member coverage.

"The sharing economy is changing the



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way entire industries operate,” said Colin Evran, founder and CEO of Yard Club. “Our platform is at the forefront of that innovation in the equipment rental industry. Customers can access rental equipment with ease on the web and through mobile devices, while enabling fleet owners to earn income on idle equipment through peer-to-peer rentals. Caterpillar has certainly reinforced its commitment to helping its customers succeed with this relationship.”

Yard club is the latest example of the emerging technologies that Caterpillar is actively embracing as part of its efforts to continue capitalizing on innovation to support customers.

“This illustrates what our newly formed Analytics & Innovation Division is charged with: creating and investing in emerging technologies that can further enhance Caterpillar’s product and service development and our customers’ experience,” said Greg Folley, Caterpillar vice president with

responsibility for the Analytics & Innovation Division. “With all of the advances in peer-to-peer technology going on around us, we asked ourselves, why shouldn’t our customers have the ability to share assets to increase efficiency and lower the cost of ownership? Our agreement with Yard Club will help make this a reality. It’s a great example of an innovation that can help our customers be more successful.”

Yard Club expects to have dealer and customer fleets installed on the platform and ready for rental midyear 2015.

Source: Caterpillar Inc.



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#### ATLAS COPCO LT RAMMER RECEIVES RENOWNED IF DESIGN AWARD

The international iF Product Design Award 2015 goes to the Atlas Copco LT 6005 Rammer series. For over 60 years, the iF Design Award has been recognized all over the world as a label of design excellence, identifying outstanding achievements in design.

“Thorough research and a tight cooperation between R&D and our Industrial Design Team has been success factors in the development of the new LT Rammers,” says Fredrik Hägglund, manager Technical Development Light Compaction Equipment. “With a strong user focus, we managed to increase the balance of the machine, making it extremely easy to handle.”

The new Atlas Copco LT Rammers are designed for compaction work in confined areas. The product is a result of research and customer input. One of the major improvements is the slimmer design that facilitates handling. For example the visibility is considerably enhanced. In order to get full visibility of the foot, the operator needs to lean 50% less to the side. The user grip area is increased by 300% for better control. Improved safety, reduced weight, high compaction efficiency and ergonomics are other user-friendly features that the jury found appealing.

“Easy service is a high priority for our customers. With the new design we have managed to meet those high expectations. And even though receiving the iF Product Design Award was an honor, the real joy lays in the knowledge that we can offer our customers a great product,” concludes Fredrik Hägglund.

Source: Atlas Copco



## BECHTEL SELECTED TO DELIVER SPADINA SUBWAY EXTENSION IN TORONTO

Bechtel has been awarded a contract to work with the Toronto Transit Commission (TTC) to deliver the Spadina subway extension in Toronto, Ontario. Bechtel will provide program management services as part of an integrated delivery team with the TTC.

"We recognize the importance of the Spadina subway extension to Toronto and are fully committed to playing our part in the safe completion of this project by December 31, 2017," said George Morschauser, Rail Operations Manager, Bechtel. "We look forward to working with the Toronto Transit Commission to deliver a quality, operational subway."

The Spadina subway extension will extend the existing subway line across Toronto city's boundary to the rapidly growing York region. The 8.6 km extension will include 6 new stations and commuter parking.

"We've been working in Canada since 1942 and are delighted to continue contributing to the country's infrastructure," said Walker Kimball, general manager - Infrastructure, Bechtel. Bechtel has completed more than 800 studies and projects in Canada. The company's current projects in Canada include the Keeyask Generating Station in Northern Manitoba, the Kitimat aluminum smelter in British Columbia and its continued participation in the oil sands of Northern Alberta.

A global leader in rail, Bechtel has successfully delivered more than 6,200 miles of railways and completed 35 metropolitan rapid transit systems. The company has worked on some of the largest and most complex railway projects in the world including the Channel Tunnel, San Francisco BART extension, the fixed-deadline delivery of the London Underground Jubilee Line Extension, and the delivery of the Athens Metro in time for the 2004 Olympics in Greece. Bechtel is currently part of the integrated management team delivering Crossrail in the UK – the largest infrastructure project in Europe – and is also designing and constructing lines 1 and 2 of the Riyadh Metro, Saudi Arabia.

Source: Bechtel

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# John Deere Extends Generator Drive Options

John Deere Power Systems (JDPS) extended its generator drive power solutions with the introduction of 4 new PowerTech™ prime power generator drive engines at Intermat, held April 20-25 in Paris, France. The new engines meet EPA Tier 4 final emissions regulations without the need for a diesel particulate filter (DPF), giving OEMs with space-constrained installations more options for their prime power generator set applications. The engines utilize a John Deere Integrated Emissions Control system equipped with cooled exhaust gas recirculation (CEGR), a diesel oxidation catalyst (DOC), and a selective catalytic reduction (SCR) system, and join the existing lineup of Tier 4 final generator drive engines that use the same technolo-

gies plus a DPF.

"We've been able to develop constant speed engines that do not require a DPF to meet both stringent emissions regulations and the performance our customers have come to expect," said Darrin Treptow, manager, Worldwide Marketing for John Deere Power Systems.

Product enhancements including increased power, low idle speeds, dual frequency ratings and easy paralleling enhance customer performance for prime markets. Low idle speed capability reduces fluid consumption and decreases wear on the engine during transport or start-up and shutdown checks. Electronic controls enable easy synchronization when operating generator sets in parallel, while offering



flexible dual frequency operations of 50 Hz at 1500 rpm or 60 Hz at 1800 rpm. In addition to generator sets, these engines can provide power to selected constant speed applications.

New PowerTech generator drive engine models and power ratings include:

- PowerTech PSL 4.5L: 128 kWm;
- PowerTech PVL 6.8L: 160 kWm and 192 kWm;
- PowerTech PSL 6.8L: 216 kWm and 240 kWm;
- PowerTech PSL 9.0L: 273 kWm, 326 kWm and 345 kWm.

John Deere plans to begin production of the PowerTech PSL 4.5L generator drive engine in late 2015 while the PowerTech PVL 6.8L, PSL 6.8L and 9.0L generator drive engines will enter production in 2016.

John Deere is one of the few manufacturers that build engines exclusively for off-highway applications. This specialization has given John Deere unparalleled experience in developing and packaging generator drive engines. John Deere engines deliver performance, power, fluid efficiency, reliability, easy installation and emissions compliance to both generator set OEMs and end users.

John Deere offers an extensive lineup of standby and prime generator set engines that meet emissions regulations while delivering quick-starting, clean-running and fuel-efficient performance. The full lineup of John Deere generator drive engines ranges in displacement from 2.9 l to 13.5 l and covers generator drive ratings from 31 to 563 kWm (42 to 755 hp). These engines include non-emissions certified, EU Stage II and Stage III A, EPA Tier 3, Tier 4 interim and Tier 4 final models.

Source: Deere & Company

## DEUTZ at Middle East Electricity 2015

DEUTZ presented its latest products for the genset sector at Middle East Electricity 2015, held March 2-4 in Dubai. This trade fair is aimed at international experts in the fields of electrical engineering and electrical power generation and is the biggest of its kind in the region.

The highlight among DEUTZ's exhibits was the TD 2011 L4 'Telco' with a power output of 60 kVA. This engine, optimised for powering telecommunication transmitter masts enjoyed its première at Middle East Electricity 2014 and was extremely well received by the market.

Painted a distinctive lemon yellow, the engine is ideally suited for use in the rapidly growing African mobile phone sector. There is a particularly great need for diesel-generator-powered mobile phone masts in rural areas that often lack power supplies. This is where the DEUTZ TD 2011 L4 is the perfect solution because of its exceptionally economical fuel consumption, resulting in considerably reduced running costs.

For those applications which demand a higher power output, DEUTZ also exhibited its 250 kVA TCD 2013 L6 4V in Dubai. This



similarly fuel-optimised engine allows easy and inexpensive installation because of its minimal weight and small installation space requirements.

Acoustically-optimised components keep the engine's noise emissions low while retaining its smooth running characteristics and long service life. Top performance was demonstrated by DEUTZ's TCD 2015 V8 which delivers 500 kVA. Here, too, the very compact design reduces installation costs. The rugged engine can be operated worldwide, even when using fuel grades with a high sulphur content.

Source: DEUTZ AG



## Silver Medal for the New Unimog Combination

The Unimog for special requirements is now available. The Unimog U 5023 is the first model from the extreme off-road Unimog model series to be presented with public service equipment. The organizers of the Demopark municipal technology trade fair in Eisenach, Germany, honored this with a silver medal for outstanding innovations and advancements.

The new combination with common hydraulics is used to power various attachments and mounted implements such as automatic road gritters and snowplows. The Unimog is particularly suited to use in towns and municipalities at risk from flooding thanks not only to its ability to handle the usual road maintenance tasks, but also its capabilities in rescue and recovery operations in flooded areas, where its fording capability of up to 1.2 m really comes into its own.

The Unimog U 5023 combines the diversity of equipment familiar from the Unimog equipment carrier with the particu-

lar advantages of extreme off-road vehicles. In addition to the fording capability, these include an easy-to-operate tire pressure control system and a high payload.


Like the professional equipment carrier, the extreme Unimog off-roaders U 4023 and U 5023 both also have undergone fundamental further development as part of the introduction of the Euro VI engine generation. The OM 934 4-cylinder engine provides 230 hp and features not only outstanding emission values but also excellent fuel efficiency, with high power output available even at low engine speeds. Furthermore, the engine position has been moved back by approximately 1000 mm. This new mid-engine concept makes a direct engine power take-off available for the implement mounting space behind the cab. This means that equipment can be powered regardless of whether the vehicle




is moving or not. For example, fire engines are able to move and extinguish fires at the same time.

The Unimog U 4023 and U 5023 continue to be characterized by their exceptional off-road driving characteristics made possible by its portal axles, low centre of gravity, articulation of up to 30° and extreme approach and departure angles.

Source: Daimler AG





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# Terex AWP Now Manufacturing Products in Oklahoma City

Terex Aerial Work Platforms (AWP), a business segment of Terex Corporation, is now manufacturing Genie® products in Oklahoma City, Oklahoma, at Terex Corporation's existing factory. This location will manufacture Genie® telehandlers and potentially other products as the market warrants.

"We have made a long-term strategic shift to our manufacturing footprint to move production closer to our North American customers," said Matt Fearon, president, Terex AWP. "By leveraging existing Terex facilities, we are able to take advantage of a lower overall cost structure while adding capacity as we continue to grow our Genie® telehandler product portfolio."

The Oklahoma City manufacturing facility is a Terex-owned space measuring 65 000 m<sup>2</sup> and over 40 ha. There are over 260 team members employed at this location and Terex AWP is currently hiring to fill new positions. Oklahoma City is a prime



location for reducing supplier and finished good transportation costs and is centrally located within the U.S. This will allow Terex AWP to meet its customers' needs in a quicker and cost effective way.

By adding this new manufacturing footprint, it will allow the company's core Washington plants to focus on new product development, production and meeting current demand. Additionally, Redmond, Washington, will remain the administrative and R&D headquarters, and

Moses Lake, Washington, will continue to grow with the Genie® product line of large boom offerings.

"We are continuing to focus on product availability, leveraging our operational strengths and emphasizing our flexibility," said Mr. Fearon. "We are very excited to be a part of the Oklahoma City community and look forward to growing our team member base."

Source: Terex Corporation

## New Genie® GTH-1256 Telehandler

Genie is announcing the Genie GTH-1256 telehandler, providing industry-leading performance and exceptional usability with high capacity while leveraging a proven design. By adding the GTH-1256 to the smaller telehandlers, the Genie® GTH-5519, 636, 844, 1056 and the larger GTH-1544 telehandler, it completes the Genie telehandler line. The new 1256 telehandler was shown publicly for the first time at the World of Concrete tradeshow in Las Vegas, and again at the Rental Show in New Orleans, last February.

"Genie is making its mark by launching a full telehandler line," said Karen Stash, senior director, Marketing and Product Management, Terex AWP. "Our expanded fleet provides customers with a single contact for all their needs, whether it's for buying new machines, maintaining their fleet or providing service and support. Telehandlers are excellent for most applications on a variety of jobsites, such as construction, oil and gas, masonry or demolition."

Providing high visibility over a low

boom profile, the Genie GTH-1256 telehandler has a lift capacity of 5,543 kg with a category-leading vertical reach capacity of 3,175 kg at a maximum lifting height of 17 m and a 12.8 m horizontal reach capacity of 1,587 kg. The telehandler has a total weight of 16,600 kg. A tight steering radius and hydrostatic transmission enable precise placement of materials and smooth machine control on jobsites.

The Genie GTH-1256 is a telehandler that is built to last featuring a military grade chassis design, the same chassis which is found on the largest Genie telehandler, the GTH-1544. The rugged chassis with field-proven Dana® axles offers full-time planetary four-wheel drive along with four-



wheel steering capability. The telehandler has a four stage boom with internal chains and hydraulic hard lines for extra protection. It has durable heavy-duty fenders and is powered by either a Deutz or a Perkins engine.

The new Genie GTH-1256 telehandler is now in production and will only be available in the ANSI and CSA markets. GTH-1256 telehandler configurations for Latin America will follow in late 2015.

Source: Terex Corporation



## FLO Components Launches the 6<sup>th</sup> Year of Its "Lube Basics" Seminars

Automatic Greasing Systems specialist FLO Components Ltd. has announced the 2015-2016 schedule for its Lube Basics Seminars. Scheduled cities will include Kitchener, Mississauga, Timmins and Thunder Bay, Ontario.

In a study conducted by a major component manufacturer, improper lubrication accounts for 53% of all bearing failures, a major cause of equipment downtime and significant unnecessary maintenance costs. "FLO Lube Basics Seminars are designed to help you avoid common lubrication failures by turning your personnel into 'Lubrication Specialists'," according to FLO's marketing specialist Gabriel Lopez.

"Each 1-day seminar will have a balance of theory and practical, 50% of the time will be your traditional in-class training, 50% will be more "hands on" training. These seminars are designed and presented as an unbiased, 3<sup>rd</sup> party, vendor neutral lubrication training program - we don't

bring people there to sell them on our products, we teach them what they need to know about dealing with everyday lubrication issues, so when they apply what they learn, their payoff is immediate and permanent."

Some of the topics to be covered in the seminars include:

- Basic principles of friction/wear, lubricants and lubricant types;
- Grease properties/compatibility/applications;
- Introduction to manual lubrication (fittings, calibrating grease guns, etc.);
- Lubricant handling/transfer and storage procedures;



- General Automatic Lube System operation, inspection and trouble-shooting procedures.

More information on the seminars can be found on FLO's website.

Source: FLO Components Ltd.

## Bosch Expands Footprint in the Jig Saw Category with JS120 12V Offering

Bosch introduces the next generation in jig saw cutting with the new JS120. With its ergonomic, well-balanced barrel-grip design, the JS120 jig saw is now the most compact, lightest professional cordless jig saw on the market. Part of the Bosch 12V Max system, the tool is ideal for trim carpenters, remodelers, cabinet and countertop installers, plumbers, electricians and HVAC professionals who need to make quick cuts in wood, metal or plastics.

"Pros want comfortable, well-designed tools that deliver results," said Jim Stevens, product manager, fine woodworking, Robert Bosch Tool Corporation. "We feel we've met that requirement with the new JS120 through its advantages of advanced ergonomics, such as a shorter distance from hand to cutting line."

The JS120 is engineered with a barrel grip for easier handling, especially when used for bottom-up cuts. The tool's orbital action allows professionals to make more precise, aggressive cuts in both straight- and curve-cutting applications. The

JS120 also provides a faster cutting speed and greater cutting capacity versus its closest competitor. To increase the tool's longevity, Bosch equipped it with its industry-leading Electronic Motor Protection (EMP) and Electronic Cell Protection (ECP) technology to prevent motor overload and battery overheating.

Additional features include a toolless, multi-directional blade clamp that offers quick and easy blade changes, as well as an LED that lights the cutting surface for enhanced visibility.

Weighing a best-in-class 1.5 kg including the 2.0 Ah battery, the JS120 provides a compact solution for easy handling and fatigue-free work in tight spaces, overhead applications or repetitive cuts. An auto-stop brake stops immediately after the switch is moved to the off-position. A plastic overshoe protects the work surface.



When paired with the optimum Bosch T-shank jig saw blades, users will make faster and more precise cuts in multiple materials such as wood, metal and plastic. For larger wood cutting jobs, the JS120 can cut wood-based materials up to 70 mm thick. A 19 mm stroke makes for easier metal cutting in a variety of applications.

The JS120 Jig Saw is available in the JS120BN kit includes the jig saw, no-mar plastic overshoe, bevel wrench, anti-splinter insert, blade and exact-fit insert tray, which is designed to fit in Bosch L-Boxxes.

Source: Robert Bosch Tool Corporation



# New Mack® LR Refuse Model Boosts Productivity Through Driver-Focused Design Features

On June 2, 2015, Mack Trucks introduced at WasteExpo 2015 its highly anticipated Mack® LR low-entry cabover refuse model, built specifically to meet the challenges of refuse customers who require enhanced maneuverability, increased driver comfort and improved visibility. Built with input from customers, the Mack LR model is available in three-axle 6x4 configurations and can be powered by diesel or natural gas.

"The Mack LR model is the latest example of our commitment to application excellence," said Stephen Roy, president of Mack Trucks North America. "At Mack, we work hard to understand our customers' needs and build durable, dependable trucks that get the job done. By incorporating customer feedback into the LR design, we've built a safer, more comfortable work environment for drivers, boosting productivity and driver retention."

The LR model was also designed with

body builders in mind, offering additional access points and mounting locations for wiring, controls and joysticks. Mack's body builder support group is available to simplify the process and ensure seamless communication among body builders, dealers and customers.

The cab's enhanced driver environment includes tilt and telescopic steering columns, power windows and power door locks, memory mirrors, in-dash air-conditioning, standard in-cab LED light-

ing and an instrument cluster with color LCD display. Steering column-mounted main gauge pods for the right-hand and left-hand driving positions enhance gauge visibility and improve ergonomics, while centrally-mounted radio and HVAC controls, accessible from both driving positions, contribute to a comfortable, driver-focused cab environment. The rear cab windows now wrap around the rear cab corners, improving driver visibility.

The LR model also offers center storage



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## The Dressta TD-20M LA is Tailored to Handle Different Types of Wastes

Crawler dozers are mostly used in landfills to prepare the site, build access roads and then spread and compact refuse. They rip ground cover and compact it over the refuse. They operate under all weather conditions and are suitable for all methods of waste disposal.

The Dressta TD-20M LA Extra landfill crawler dozer features an excellent waste compaction capability with its optional large blades, trash rack and multi-shank ripper. It is driven by reliable Cummins engine that develops 240 hp.

The landfill machine is equipped with turbine type precleaners and a hydraulically-driven reversible cooling fan.

The operator's cab is designed to provide the utmost safety and operating comfort. Ergonomically-designed joysticks for motion and mounted equipment control are easy and comfortable to operate and offer excellent precision.

Semi-U or full-U blades, are the most common blades used on landfill crawler dozers. The trash rack has a steel plate in the center to prevent rods, wires etc. from entering into the radiator area. Working with the heavy full-U trash rack blade, in the case of the TD-20M LA, requires the use of an additional counterweight, which will ensure the appropriate balance of the machine. In addition, Dressta offers the TD-20M LGP LA landfill dozer with a low ground pressure undercarriage and 864 mm wide track shoes.



for lunch coolers, two-liter bottles, beverage cups, mobile phones and MP3 players. A rear-wall unit offers two additional levels of storage. The large cab doors enable



easier driver ingress and egress.

The 11-liter Mack MP7® diesel engine is standard in the LR model, delivering 325 to 345 hp and 1,200 to 1,280 lb ft of torque. The Cummins Westport ISL G natural gas engine is optional. The LR model is equipped with an Allison RDS 5-speed or 6-speed automatic transmission.

Source: Mack Trucks, Inc.

Mack Canada Inc.



booth 2203

## McNeilus Delivers 32 Vehicles to Santiago, Chile

McNeilus Truck & Manufacturing, Inc., an Oshkosh Corporation company, announced that the Santiago Municipality of Santiago, Chile, has placed 32 McNeilus® Metro-Pak® Rear Loader refuse vehicles into service. Santiago Municipality is a first-time McNeilus customer.

vehicles into service in Santiago, Chile,” said Chris Zuniga, McNeilus senior director, international sales and service. “This significant delivery represents a total team effort – including those of Geoprospec, our excellent local dealer and after-sale parts and service provider. This purchase is an



“We are proud and honored to have placed these rugged McNeilus Metro-Pak

excellent measure of the McNeilus brand, and our standing as a leader in furnishing quality refuse hauling vehicles to customers across Latin America.”

The McNeilus Metro-Pak Rear Loader is available in 10.7, 13.0, 15.3, and 19.1 m<sup>3</sup> body configurations and a 1.9 m<sup>3</sup> tailgate capacity. Built with AR steel throughout the body floor, sidewalls, and roof for added strength and durability, the Metro-Pak is also easy to maintain, with features like quick-change polyethylene slide shoes. The Metro-Pak vehicles for Santiago are assembled at McNeilus facilities in Mexico and built on Freightliner chassis.

McNeilus dealer, Geoprospec, offers a full line of McNeilus refuse vehicles, McNeilus ready-mixed concrete mixers, and CON-E-CO® batch plants. Geoprospec stocks a wide range of replacement parts and accessories, and features a fleet of mobile support vehicles. Geoprospec also provides comprehensive body mounting and replacement services, including a new on-site paint booth.

Santiago, Chile boasts one of the most beautiful and impressive backdrops of any capital city on earth, and is situated on a wide plain near the foot of the Andes Mountains. The city is a rapidly expanding metropolis of around 7 million people.

Source: London Machinery, Inc.

McNeilus Truck & Manufacturing, Inc.



booth 2001

Extensive guarding helps protect the critical machine components, especially the undercarriage, from being damaged by debris in harsh waste handling environments.



Minimizing build-up helps prevent component damage. Track roller guards are necessary to keep refuse, brush etc. out of the rollers and track chain. Sprockets are protected with sprocket rock guards to prevent landfill material from entering between sprocket teeth and track chain bushings. Final drives are to be equipped with bolted final drive seal guards. Striker bars prevent debris from riding up the track and damaging the fenders. Front striker bars, depending upon the tractor size can be either bar type (STD) or bridge type (LT, LGP). Rear striker bars can be attached to either a ripper frame, if the tractor is so equipped, or to a landfill counterweight box. The standard bolted guard protects the fuel tank and the hydraulic reservoir against damage caused by wires, penetrating rods, sharp materials or other stiff metal pieces which are often found in landfills.

Source: Liugong Dressta Machinery Co. Ltd.



# The CT680 Delivers Class-Leading Combinaison of Durability, Comfort & Style

The Cat® Vocational Truck line continues to grow to meet customer needs with the addition of the CT680, a Class 8 set-forward-axle model built to tackle today's most demanding jobs while setting new standards for comfort and style.

The 3<sup>rd</sup> vocational truck offered by Caterpillar, the CT680 features a rugged exterior, attractive automotive appearance, spacious and ergonomic cab, and vocational-specific engine and transmission. Its set-forward axle, parabolic taper leaf suspension, tuned cab air suspension system, and premium sound insulation and trim combine to deliver industry-leading ride quality.

"Customers told us they wanted a truck they could work hard," said Dave Schmitz,



Vocational Truck product manager. "The CT680 is as rugged as they come – built for heavy loads, hard jobs and harsh environments – but it still delivers shift-long comfort and a stylish appearance. Its bold design will set our customers apart from the crowd."



To keep service time to a minimum, the CT680's modular components – including the grille, grille surround, bumper and fender extensions – can be replaced individually. Key service points like coolant, washer reservoirs and air filters are easy to access, and customers can quickly replace headlight bulbs and windshield wiper blades without tools.

To keep drivers and those around them safe, the CT680 features a curved, sloped, wraparound windshield – in a one- or two-piece design – that offers an uncompromised view of the road. Large, heated, cowl-mounted mirrors with integrated turn signals also enhance all-around visibility. A generous door opening, 3-point grab irons and skid-resistant steps allow for safe entry and exit.

Powering the CT680 is a Cat CT Series Vocational Truck Engine with horsepower ratings from 410 to 475, peak torque ratings from 1,450 to 1,700 lb ft and the flexibility to match power and performance

to specific jobs and operating conditions. A highly efficient Selective Catalytic Reduction (SCR) solution, with upgraded in-cylinder technology and proven after-treatment, meets emission requirements.

The Cat CX31 automatic transmission delivers rugged durability, smooth shifting and optimum power. It boasts the industry's highest power-to-weight ratio, full power shifting and quick acceleration to boost productivity. Ideal speed and torque combinations help improve fuel economy, and two side PTO locations and a Cat exclusive rear PTO enhance versatility and serviceability.

The CT680 comes standard with Caterpillar's comprehensive asset and fleet management tool, Product Link™. Customers can use this tool and the accompanying VisionLink® web interface to track fuel use and costs, location, working versus idle time, preventive maintenance schedules and more. Fault code or suspicious movement alerts can be sent via email or text message to help keep downtime to a minimum.

Also available are an optional vehicle infotainment system and a Bendix tire pressure monitoring system.

"If you have heavy loads to haul or hard work to perform, and you want to do it in comfort and style, then the CT680 is your truck," Mr. Schmitz said. "You get the rugged durability and dealer support you expect from Cat, plus a premium work environment for the driver and best-in-class styling, materials and serviceability."

Like the Cat CT660 and CT681, the CT680 is backed by bumper-to-bumper service at more than 400 Cat dealer locations across North America.

Source: Caterpillar

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# Comprehensive CNG Inspection Program for CNG-Powered Fleets

McNeilus Truck & Manufacturing, Inc., an Oshkosh Corporation company, has introduced a comprehensive compressed natural gas (CNG) inspection services program designed to enhance the safety and integrity of natural gas powered vehicle fleets. Conducted by certified technicians, the McNeilus inspection services program includes an NFPA 52 Compliance Review and is available through the company's extensive service center network and fleet of mobile service vehicles.

"With the accelerating move to CNG-powered commercial fleets, the need to maintain safe operations and meet all NFPA 52 requirements is crucial," said Brad Nelson, Oshkosh Corporation senior vice president and president of the Commercial Business Segment. "McNeilus has sold and installed thousands of compressed natural gas powered vehicles on the road; we understand what it takes to keep them in compliance and running at

peak performance."

In addition to CNG inspection services, McNeilus is uniquely positioned to offer additional support services to commercial fleets. Through its nationwide network of branch locations and service centers, McNeilus maintains a strategic inventory of commonly required replacement parts for a wide range of CNG configurations. The company's certified technicians are trained to conduct on-site problem solving and in-the-field repairs, including both high- and low-pressure filter maintenance.

"A regular schedule of CNG system inspections at 36-month or 57,936 km (36,000 mile) intervals is a (U.S.) federal requirement, and one that needs to be incorporated into a fleet's preventative maintenance program," said Mr. Nelson.



"With McNeilus certified technicians, parts inventory, and customer education opportunities, we are able to fill this need, and more. By sharing best industry practices and ultimately increasing vehicle uptime and system integrity, McNeilus is a one-stop solution for CNG systems and support."

Source: McNeilus Truck & Manufacturing, Inc.

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# McCourt & Sons Joins CDE Global Partner Program

Materials washing specialists, CDE Global has announced that McCourt & Sons Equipment Inc has joined their global sales network.

McCourt & Sons Equipment Inc. is based in La Grange, Texas, and has over 65 years combined industry experience in the supply of sand and aggregate processing equipment. The company also covers Arkansas, Louisiana, Oklahoma, New Mexico, Wisconsin and Minnesota.

The agreement will see McCourt & Sons Equipment Inc. represent the full range of washing and classification equipment that CDE Global offer those in the construction materials, construction & demolition waste recycling, mining and specialist industrial sands sectors.

Speaking about the partnership, CDE regional manager in North America, Joel Prince said: "McCourt & Sons is a name associated with quality equipment, excellent customer service and above all a capability to work with customers to identify issues with their existing processing plant and develop a system that improves efficiency. This matches our own

win a number of new projects and these will all become operational over the next 2-3 months. This will give us significant coverage across the U.S. and will be the catalyst that will allow us to maximize the opportunity that exists for our equipment in North America."

Founder and president of CDE Global, Tony Convery was also closely involved in developing the relationship with McCourts and he said: "When we're looking for new partners there are some key characteristics that we look for – significant industry expertise in the materials washing arena, technical capability, strong customer

networks, a great reputation and the ability to provide our customers with best in class service and support. The team at McCourt & Sons ticked all these boxes."

McCourt & Sons made the decision to approach CDE having looked at their product range and project portfolio across the world and identifying a number of opportuni-

ties for the introduction of their washing equipment range in North America. "From the introduction of the EvoWash sand washing plant to existing operations to large turnkey projects, the potential for CDE equipment is huge," explains Paul McCourt, president at McCourt & Sons. "The efficiencies that the EvoWash can bring to existing sand washing operations in terms of maximizing production, minimizing waste and increasing the value of the washed sand product is proven across the world and when we looked at the existing provision in this area in North America the



size of the opportunity became very clear."

Another key factor for McCourt & Sons was the modular nature of the CDE equipment range. "We believe that the CDE equipment range has been designed to meet the specific requirements of today's industry – it's quick to set up, integrates several processing phases on to a single chassis, requires minimal space on site and is built to last. This is what our customers are looking for with the equipment they invest in," says Paul McCourt.

The CDE product range includes the EvoWash sand washing plant, ProGrade screens for quarrying and mining applications, dewatering screens, the RotoMax logwasher and AggMax portable logwasher as well as the AquaCycle thickener and filter presses to allow operators to efficiently manage wastewater from their wash plant. The company also offers a range of products including fine sand screens, attrition cells and density separation systems for use in the production of specialist industrial sands.

CDE Global and McCourt & Sons will be organizing a demonstration event in Texas during August 2015 where visitors will have the opportunity to see CDE equipment in action. Further details on this event will be published on the CDE website over the coming weeks.

Source: CDE Global



approach to the design and execution of successful materials washing projects and we are very excited about the opportunities that will present themselves as a result of our new partnership."

Over the last 12 months the 2 companies have been working together in North America on a number of projects and there are currently 5 projects in production. This follows the debut for CDE at ConExpo, in March 2014. "We expect 2015 to be a very significant year for CDE in North America," explains Joel Prince. "The work we have done over the last 12 months has seen us







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# New LiuGong 856H Wheel Loader Shown at Intermat

LiuGong's new 856H wheel loader has been tailored for the European market, combining half a century of LiuGong technology and innovation with full EU Stage IV regulation compliance. The 856H wheel loader marks the start of a new era at LiuGong and introduces a new level of productivity and serviceability.

The European market is particularly difficult for construction machinery manufacturers to enter due to the region's strict emission standards. But as globalization accelerates, LiuGong has adapted and is continuously creating products to suit the needs of different markets.

The 856H is equipped with a Cummins QSB6.7 engine which is extremely quiet and reliable. It adopts mature variable geometry turbocharger technology to provide superior torque. The high pressure common rail fuel injection system improves



injection pressure and optimizes fuel consumption. With this powerful engine, the 856H can work in extreme conditions in Europe and the rest of the world.

Modern ZF technology is applied in the driveline system, and the 856H features a ZF AP3000 wet axle with strong carrying capacity. The axle housing and main transmission system are reinforced to improve strength and anti-load capacity, with carrying capacity being increased by 40% from the previous model. It has a long service life, with average life cycle being increased by 250%. The ZF 4WG200 transmission works efficiently with the machine to achieve an optimal power output. An automatic shift transmission with kick down function and electric proportional FNR lever make operating more convenient and reduce operator fatigue. Along with



the world-class parts, the 856H maximizes productivity for the customers.

"To be a serious player in the global market competition, LiuGong has to ensure it manufactures high-quality products. LiuGong starts the design process with the customer, discovering their demands for

safety standards, which ensure that operator safety is at a maximum.

Like other LiuGong machines, maintenance of the 856H is simple and convenient. It adopts a ground maintenance idea, which means that users can accomplish the replacement and checks of various

filters and fuels by standing on the ground without climbing up and down. The forward tilting engine hood, which is equipped with an electric lifting device, allows for ground level access to service points to increase the accessibility



the product and any improvements they require. We listen and then make the appropriate product design improvements," said David Beatenbough, vice president of LiuGong, who is in charge of LiuGong's R&D. "This is how the 856H wheel loader was created."

The 856H's new cab design allows for improved visibility to the work tool and improves all-around visibility for safety. Frequently used controls are placed within easy reach of the operator and curved glass in the cab decreases sound levels. 360° access around the cab allows for easy removal of snow and frost, and a constant temperature function can adjust the temperature automatically. The cab features ROPS (Roll Over Protective Structure) and FOPS (Falling Object Protective Structures) in compliance with ISO3471 and ISO3449

to components, thus reducing daily and scheduled service times while increasing the machine's availability to work. The hydraulic driving fan motor can be reversed for cleaning, and the water and oil drains are placed together to realize easier, faster maintenance and service.

"At LiuGong, it isn't about just developing the latest technologies. It's about developing the latest technologies that work -- consistently, reliably, day in and day out, at the toughest, most extreme jobsites in the construction machinery industry," added Mr. Beatenbough. "The 856H is one of the best demonstrations of LiuGong's hard efforts. We are on the right track, we are doing the right thing and we will never stop."

Source: Guangxi Liugong Machinery Co., Ltd.



# Trimble Receives John Deere Supplier Innovation Award

Trimble has been awarded a John Deere supplier innovation award for 2014. The award is presented to a select group of suppliers who have demonstrated innovation in a product or service they provide to John Deere.

Award selections are based on 4 factors – creativity, feasibility, collaboration and bottom-line impact. John Deere created the supplier innovation awards in 2010 to promote innovation in the company's supply base and recognize suppliers who think creatively.

Trimble supplies its LOADRITE® L2180 loader scales to John Deere.

"Deere has recognized the customer's need for payload management as part of the WorkSight solutions portfolio. We are very pleased that Deere selected LOADRITE as its onboard weighing solution specialist, with a commitment to accuracy and quality," said Johan Smet, Trimble Loadrite general manager. "The LOADRITE product is backed by our factory trained and

authorized international installation and support team. Our relationship with Deere dates back more than twenty years, and we look forward to extend our productive relationship well into the future."

The LOADRITE L2180 technology has been enhanced to create a deeper integration with Deere loaders, including WorkSight. LOADRITE L2180 loader scales are available as a factory orderable option on Deere 444 to 844 four-wheel drive loader (4WDL) models. Onboard scales help loaders optimize truck payload, process, and efficiency as well as avoiding over-load fines. By tracking payload data (product, tonnage, customer, operator, time, date stamps, etc.), managers can use this data to improve cycle times, truck turnaround or payload accuracy. LOADRITE loader, excavator or conveyor belt scales are available from LOADRITE Authorized Distributors worldwide.

Loadrite is a leader in the field of measurement, and was acquired by



Trimble in June 2013. Loadrite load weighing technology and payload information systems are installed on wheel loaders, excavators, garbage trucks and other heavy loading equipment to ensure optimal loads, and provide quality data for productivity analysis.

Source: Trimble

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## BKT Presents Their New Earthmax SR 47, SR 51 and SR 53 Tires at Intermat

The company displayed 3 new tires of the most popular BKT construction and industrial lineups at Intermat, the International Exhibition for Equipment and Techniques for Construction and Materials Industries, held in Paris, France, last April.

The new Earthmax SR 47, displayed in size 24.00 R 35, was the center star at the BKT stand. The tire is specially designed for rigid dumpers operating under the harshest conditions as they can be found in quarries. It features excellent resistance, durability and stability. The increased tread depth ensures an extended tire life-cycle optimizing productivity and reducing machinery downtime.

The Earthmax SR 51, a specific loader tire, was showcased in size 20.5 R 25. The particular lug design has been developed in order to ensure best traction in the course of excavating and loading operations. The extra tread depth – classified L5 – and its special compound provide

a significantly extended usage life and increased productivity at the same time. The Earthmax SR 51 features excellent expelling capabilities which significantly reduce punctures.

Visitors at the trade show were able to view the new Earthmax SR 53 in size 17.5 R 25. This tire is specially designed for loaders and dozers operating on rocky grounds in particularly harsh conditions as one can find in underground mines or open quarries. The particular cut-resistant compound increases both durability and productivity. The special tread design reduces the risk of stones or other foreign objects to remain trapped in the tire.

The newest versions join the well-known Earthmax tire lineup featuring a very

resistant all-steel structure as well as rigid, non-directional blocks favoring a better load distribution on the terrain.



Also, the Earthmax SR 41, a special tire for articulated dumpers, was showcased in size 29.5 R 25. Thanks to a deeper tread design and its reinforced connecting elements, this tire ensures outstanding stability.

Samples of the other product ranges were also exhibited at the trade show: Ai-

## Chevy Trucks Have a Lock on Capability

Trucks need traction to get the job done. And whether it is winter snow, spring mud or the weed-covered boat ramps of summer, an automatic locking rear axle can help keep Chevy trucks moving ahead with enhanced confidence and control.

Often referred to as the G80 for its order code, the rear axle locks automatically if one wheel starts to spin, enabling both rear wheels to propel the truck. The added traction lets a 2WD pickup to go places traditionally thought of as 4x4 territory, and further enhances the capability of 4x4 pickups.

"The G80 locking axle provides a greater traction advantage than limited-slip differentials in most situations, while its automatic engagement requires no driver involvement, unlike some competitors' electronic lockers, which require driver activation," said Jeff Luke, executive chief engineer. "The G80's simplicity, durability and sure-footed grip have been proven with generations of customers, as it has been a staple of the Chevy truck lineup for more than 40 years."



The G80 automatic locking rear axle is available on most Silverado models, and is standard on LTZ and Z71 versions of the Silverado 1500 and all Silverado 2500 and 3500 HDs. Additionally, it is available on Colorado WT and LT models, and standard on Colorado Z71. It is also standard on Tahoe and Suburban.

With technology by Eaton, the G80 performs as an open differential until

excessive slip in one wheel automatically triggers the locking mechanism, ensuring the rear wheels turn at the same speed. It provides more sure-footed traction than a conventional limited-slip axle, which can allow the wheels to turn at different rates in a low-traction environment, limiting the amount of traction-enhancing torque that can be channeled to the faster-spinning wheel. Unlike electronic lockers, the G80

romax AM 27, Container King and Maglift.

The Airomax AM 27, displayed in the size 445/95 R 25, is a tire for high-speed cranes for on- and off-road use, suitable for both road and highway surfaces and rough terrains as you can find on construction sites.

The Container King has been specially designed for container and heavy load handling. It is able to provide excellent stability when lifting heavy loads. It was displayed in size 18.00-25.

The Maglift, a solid tire for forklifts, was showcased in size 7.00-12 (5.00). It is ideal for ensuring equal load distribution, stability and safety during difficult lifting operations.

Balkrishna Industries Ltd. is an Indian-based tire manufacturer. The BKT group offers a large and always updated production range of Off-Highway tires specially designed for vehicles in the agricultural, industrial, earthmoving, mining, ATV and gardening sector.

Source: Balkrishna Industries Ltd.

## Camoplast Solideal Launches New Solideal CMP 533 Soil Compactor Tire at Intermat

Camoplast Solideal introduces the Solideal CMP 533 tire for soil compactors at Intermat, held in Paris, France, last April. With premium rubber compounds and enhanced tread depth, the Solideal CMP 533 tire offers industry-leading tread life and durability.

With its unique Hauler stepped diamond profile, the Solideal CMP 533 features an optimized tread pattern that minimizes ground pressure and damage resulting in superior compaction performance.

The perfect compromise between floatation and traction for all seasons and underfoot conditions, and a robust carcass design that enhances side impact resistance results in fewer flats.

Shipments of the Solideal CMP 533 tire began in April 2015.

Camoplast Solideal is committed to offering a complete range of high per-



formance products and solutions that satisfy the mobility needs of its clients, The Solideal CMP 533 is just one in a series of new products the company will bring to market in the coming years.

Source: Camoplast Solideal

engages and disengages automatically, with no input from the driver.

When the G80 detects excessive wheel slip, a flyweight-type governor engages. A self-energized clutch system causes a cam plate to ramp against a side gear, compressing disc pack to cause both rear axle shafts/wheels to rotate at the same speed.

The lockup and disengagement processes happen instantly and are practically imperceptible to the driver. Ride is smoother because the G80 operates mostly as an open-type differential in normal driving conditions.

"There are no buttons to push or electronic settings to engage," said Mr. Luke. "The G80 does its job instantly and quietly, so drivers can go about their job with confidence."

Source: General Motors Canada



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## Sprinter Tops Best Fleet Value Awards for 4<sup>th</sup> Consecutive Year

Vincentric announced recently that the Mercedes-Benz Sprinter won awards in all 3 categories entered for the full-size van segment's Best Fleet Value in Canada™. What is more, this is the 4<sup>th</sup> year in a row that the Sprinter has been bestowed these honors. The awards identified each of the following Mercedes-Benz vans as providing the best value in each of the outlined segments:

- Full-size 3/4-ton cargo van: Mercedes-Benz Sprinter 2500 Standard Roof 144 WB
- Full-size 1-ton cargo van: Mercedes-Benz Sprinter 3500 High Roof 144 WB
- Full-size 3/4-ton passenger van: Mercedes-Benz Sprinter 2500 Standard Roof 144 WB

Each year, Vincentric conducts an extensive cost of ownership analysis on over 1,800 vehicle configurations, based on typical use in commercial fleets. The cost of ownership study takes into account all major ownership and operating costs of a vehicle. These include depreciation, fees and taxes, financing, fuel costs, insurance, maintenance, repairs and even opportunity cost, which is the loss of potential interest income as a result of owning and operating a vehicle. Each vehicle is evaluated in all 10 provinces using 24 different lifecycle cost scenarios. The winners are identified by determining which vehicles had the lowest fleet lifecycle cost in the most scenarios for its segment.

When comparing the 2015 Mercedes-Benz Sprinter to its competitors from Chevrolet Express, Ford Transit, GMC Savana, Nissan NV and Ram ProMaster across all categories, Vincentric determined that the Sprinter 2500 had the lowest cost of ownership of any heavy-duty van. The Sprinter's remarkable performance can be attributed primarily to its best-in-class fuel efficiency and low depreciation. In fact, the Sprinter received the Canadian Black Book Best Retained Value Award in the full-size van category 6 years in a row. Another major total cost of ownership enhancement as of model year 2015, is the extended service intervals of up to 30,000 km.

Source: Mercedes-Benz Canada



# New ContiTech Bushing Impresses With Long Service Life

Heavy transportation loads and uneven terrain: Components in construction vehicles have to withstand the most extreme conditions. ContiTech has developed a heavy-duty bushing for Volvo Construction Equipment (Volvo CE) for use in particularly challenging applications. Mounted on the rear axle, it ensures optimum damping in articulated haulers of the full-suspension (FS) type.

For several years now, Volvo CE has been using elastomer bushings in this type of construction vehicle as the connecting element between the hydraulic spring strut and axle. Volvo CE approached ContiTech Vibration Control in order to substantially reduce maintenance work on this component. ContiTech Vibration Control acted as an engineering partner and assisted Volvo CE in



developing a bushing with a much longer life than the component used to date.

"Our engineers faced a particular challenge in terms of the material," reports Dr. Stefan Narberhaus, Head of Industry Development at ContiTech Vibration Control. "There should be minimal loss of shape to the material,

even under heavy loads. But at the same time, the component should retain its rigidity and fit into the available space without changing the connecting parts. We found the right rubber compound to combine these properties." The engineers also adapted the geometry of the bushing, thus optimizing its durability.

Source: ContiTech AG



*ContiTech has developed a hydraulic bushing for the full-suspension type of articulated hauler, which can withstand particularly challenging conditions on construction sites. Photo: Volvo CE*

# IMT Introduces Powerful New Air Compressor

Iowa Mold Tooling Co., Inc., an Oshkosh Corporation company introduced the new IMT® CAS80R rotary screw air compressor at The Work Truck Show 2015, held in conjunction with the National Truck Equipment Association (NTEA) Convention last March in Indianapolis, Indiana.

The IMT CAS80R compressor offers 33% more air output than the previous model – up to 4,250 l/min @ 10.3 bar (80 cfm at 150 psi) – at a similar price point. Increased hydraulic cooling capabilities and an easy-to-set air pressure output give operators a greater range of machine operation. The IMT CAS80R compressor enables operators to run at higher cfm levels while at the same truck rpms currently used.



"We're excited to offer our customers the productivity benefits of increased air," said Terry Cook, product manager of commercial products at IMT. "The IMT CAS80R air compressor offers powerful and reliable

performance for heavy-duty mobile applications. This unit is a perfect complement to our IMT Dominator® mechanics trucks and IMT SiteStar lube trucks."

The hydraulically-driven, continuous-

duty IMT CAS80R compressor is a single-stage, pressure-lubricated unit. The rotary screw model provides high-volume air for use in pneumatic tools (for example, jacks, saws and impact wrenches), tire service, sandblasting, painting, carbon-arc cutting and other compressed-air needs.

The IMT CAS80R compressor features a hydraulic aftercooler that is integrated into the compressor design, minimizing weight and the physical footprint on top of the body sidepack.

IMT offers a variety of reciprocating and rotary screw air compressors to meet customer needs. The reciprocating lineup ranges from 40 to 110 cfm, while the rotary screw offering ranges from 45 to 85 cfm.

Source: Iowa Mold Tooling Co., Inc.

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## Talbert Introduces Valspar R-Cure 800® Paint and Aquaguard™ Corrosion Upgrades

To ensure long-lasting color and gloss, and optimal corrosion protection, Talbert Manufacturing now offers Valspar R-Cure 800® as its standard paint. Talbert also offers Valspar's Aquaguard™ primer as an upgrade corrosion protection option.

R-Cure 800 is a 2-component, reactive-cure paint that once applied – even after exposure to extreme weather – holds its initial gloss and color for at least 1,500 hrs. It also protects Talbert's heavy-haul trailers against scratches and chips when out on the road. To give customers the ultimate corrosion protection, Talbert recommends using Valspar R-Cure 800 in conjunction with either an optional zinc-rich primer or Aquaguard upgrade.

Talbert's alkyd primer, which is standard, works well in a variety of applications. But for more extreme environments, Talbert offers the primer upgrades for enhanced corrosion protection. When working in highly corrosive environments, such as within an



industrial atmosphere, Aquaguard works best, as it offers similar results to galvanizing but with a much smaller price tag.

When used along with R-Cure 800, both the zinc-rich primer and Aquaguard provide 60% less creep from scribe. Although both primers provide effective corrosion protection, nothing compares to the combination of R-Cure 800 and Aquaguard. Trailers with this pairing have

proven to have 55% less corrosion beneath the coating than using the standard alkyd primer. Further, the use of Aquaguard gives a comparable level of protection as galvanizing, but for 75% less cost and without the added weight; and unlike galvanizing, Aquaguard is non-toxic when welding is involved.

Source: Talbert Manufacturing

## Finally a Custom Engineered Air Compressor for New European Style Vans

With the rapid growth of the commercial van market in North America, accessory manufacturers have been quickly adjusting to the increasing demand. Recognizing that a reliable and safe air compressor was not available for these applications, VMAC (Vehicle Mounted Air Compressors) developed an entirely new rotary screw air compressor and components ideally suited for the European style vans.

"The van market is vastly different than the traditional service truck one," says Dan Hutchinson, VMAC vice president of Sales and Marketing. "Customers are looking for easy to install accessories that allow them to do many of the same jobs of larger, more custom built service trucks, while taking advantage of the vans' capabilities."

The new UNDERHOOD LITE air compressor system provides the same reliable, compact power the UNDERHOOD70 is known for. Weighing in at 28.1 kg, the system minimally impacts the vans' payload and has a very small footprint in the van itself. Providing 850 l/min (30 CFM) and up to 10.3 bar (150 psi) of air, the LITE easily handles most air-powered needs the service van market requires.

All of VMAC's UNDERHOOD Air Compressor solutions are custom engineered for each engine/chassis combination. VMAC is launching the UNDERHOOD LITE with installation kits for the 3.6 l Ram® ProMaster®, the 3.7 l Ford® Transit® and the 3.0 l Mercedes-Benz® Sprinter®.

Source: VMAC



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# NAXSA Convenes First Annual Meeting

The North American Excavation Shoring Association (NAXSA) recently convened its 1<sup>st</sup> Annual Association Meeting themed, "Meet in the Desert," which was held May 6-8, 2015, in Chandler, Arizona. The inaugural Annual Meeting welcomed more than 120 attendees.

NAXSA's Annual Meeting – specifically designed for trench shoring dealers and manufacturers – is the essential forum to build enriching relationships and share innovative ideas. Speakers were comprised of experienced industry professionals who shared their best practices, detailed recently released regulations, and explained the impact of those proposed regulations on the shoring industry.

"In light of current legislative and regulatory changes, it is essential that we expand our networks and strengthen our existing connections," said NAXSA president, J. Dana Woundenberg.

"The mission of our new association is to unite our industry while promoting communication, education, innovation, and shared industry-wide goals and standards," Mr. Woundenberg added. "The whole event exceeded all our expectations and we hope to double attendance at next year's show."

The event offered knowledgeable keynote speakers, educational sessions, and featured a "trade-show" where participants could visit with 17 industry professionals; including: manufacturers, rental and sales companies, product suppliers and affiliates to the

trench shoring industry.

The first day of activities kicked off with 56 golfers participating in a tournament held at the Whirlwind Golf Club. The 14 teams (four players each) enjoyed an afternoon of golf, cigars, lovely Arizona weather and camaraderie.

The 2016 NAXSA Convention is scheduled for February 17-19, 2016, returning to the Wild Horse Pass Resort & Casino in Chandler.

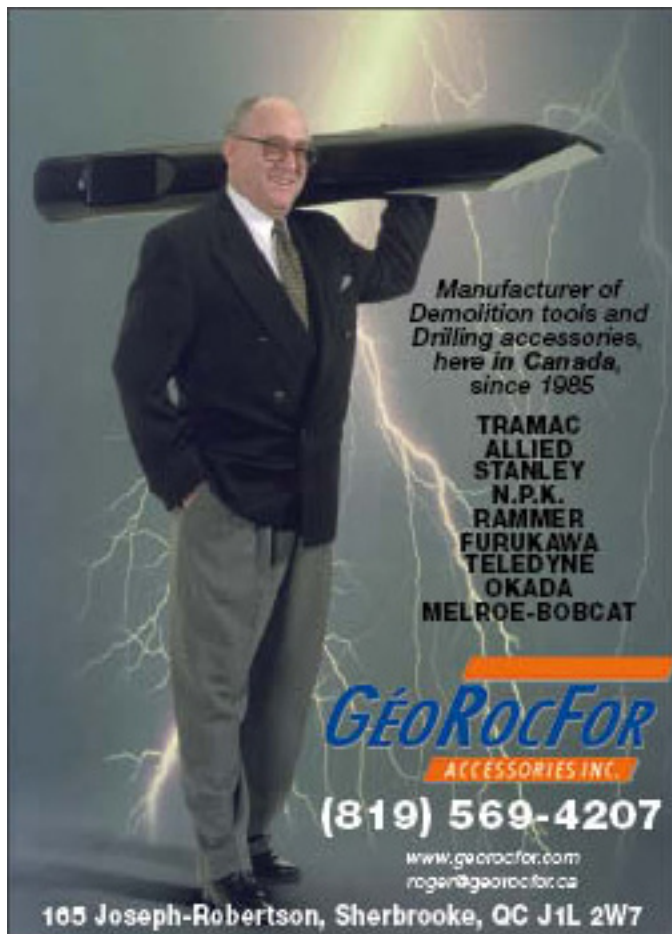
NAXSA was formed in July 2014 with the core purpose of promoting the safe and effective use of excavation shoring equipment and practices. The ultimate goal of the association is zero deaths and injuries in the excavation construction industry.

Source: North American Excavation Shoring Association

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# Appointments

**Terex Aerial Work Platforms (AWP)**, a business segment of Terex Corporation, has appointed **Anders Mantere** as product manager, Genie Telehandlers. In this role, Mr. Mantere will manage the Genie telehandler product family and assist in the development of new products to meet ongoing customer needs. He will report to Chad Hislop, director of Product Management, Terex AWP.



Anders Mantere joined Terex AWP in 2006 as a design engineer supporting portable products and scissor lifts. He has acted as a lead engineer in a sustaining role, as well as chief engineer for several new product development programs. Since 2010 he has been in an engineering management role supporting portables, scissor lifts, light towers, trailer-mounted boom lifts, as well as a number of special initiatives.

Source: Terex Corporation

**Hyundai Construction Equipment Americas, Inc. (HCEA)**, recently announced the addition of Tom Owen as National sales manager. Mr. Owen will be responsible for both the inside and outside sales teams for Hyundai's construction equipment products. He will be based at the company's North American headquarters in Norcross, Georgia.



Tom Owen comes to HCEA with extensive experience in strategic sales and distribution management within the heavy equipment industry. He has an agricultural engineering degree from Iowa State University and has held several key sales, marketing and dealer development positions for leading global OEMs. He is looking forward to working with distribution to provide improved communication and sales support to, ultimately, grow Hyundai's North American market penetration and distribution network.

Source: Hyundai Construction Equipment Americas, Inc.

**Superior Industries, Inc.** has appointed **Patrice Briand** as territory sales manager throughout Eastern Canada. In his new role, Mr. Briand will work alongside Superior's dealers in the region to bring solutions to bulk material handling customers in Quebec, Newfoundland and Labrador, Prince Edward Island, Nova Scotia and New Brunswick. Kevin Beyer, the existing Canadian sales manager for Superior capital equipment, will continue to service dealers and accounts from Ontario to British Columbia.



Patrice Briand comes to Superior Industries after most recently holding the title as Environmental and Recycling manager at Voghel, Inc., a manufacturer of shredders, grinders, crushers and screeners for the recycling industry. Before Voghel, he was vice president of Sales and Development for Manuquip Equipment Inc.

Patrice Briand has been affiliated with the industry in various positions since 1990. Historically, he has been associated with a variety of professional association related to the industry including APMLQ (Quebec Heavy Machinery Owners Association), ACDE (Canadian Association of Equipment Distributors), ACRGTQ (Association des constructeurs de routes et grands travaux du Québec), PDAC (Prospectors and Developers Association of Canada), CIM (Canadian Institute of Mining), 3R MCDQ (Regroupement des récupérateurs et des recycleurs de matériaux de construction et de démolition du Québec). He received an Industrial Electricity Diploma from Gaspé College in 1984.

Source: Superior Industries, Inc.

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## Agenda

### Lift & Move USA

June 16 - 17, 2015  
Chicago, IL USA

### APOM technical day

September 4, 2015  
Saint-Henri-de-Lévis, QC Canada

### IFAT Environmental Technology Forum Africa

September 15 - 18, 2015  
Johannesburg, South Africa

### 25<sup>th</sup> Annual National Organics Recycling & Compost Conference

September 16 - 18, 2015  
Gatineau, QC Canada

### ICUEE – The Demo Expo

September 29 - October 1, 2015  
Louisville, KY USA

### WaterSmart Innovations Conference and Exposition

October 7 - 9, 2015  
Las Vegas, NV USA

### Pavement Preservation & Recycling Alliance Fall Meeting

October 13 - 15, 2015  
Niagara Falls, ON Canada

### IMEX America 2015

October 13 - 15, 2015  
Las Vegas, NV USA

### CHINA MINING Congress & Expo 2015

October 20 - 23, 2015  
Tianjin, China

### Eco Expo Asia

October 28 - 31, 2015  
Hong Kong

### ICEF 2015 (International Construction Equipment Forum)

November 2 - 3, 2015  
Amsterdam, The Netherlands

### World Crane & Transport Summit 2015

November 4 - 5, 2015  
Amsterdam, The Netherlands

### Municipal Equipment Expo / Waste & Recycling Expo Canada

November 4 - 5, 2015  
Montreal, QC Canada

### 2015 Trenchless Technology Road Show

November 17 - 19, 2015  
Richmond/Vancouver, BC Canada

### Water Expo China

November 18 - 20, 2015  
Beijing, China

### Landscape Ontario's 42<sup>nd</sup> Edition of Congress

January 12 - 14, 2016  
Toronto, ON Canada

### World of Concrete 2016

February 2 - 5; Seminars 1 - 5, 2016  
Las Vegas, NV USA

### The Work Truck Show

March 2 - 4, 2016  
Indianapolis, IN USA

### World of Asphalt and AGG1

March 22 - 24, 2016  
Nashville, TN USA

### bauma 2016

April 11 - 17, 2016  
Munich, Germany

### IFAT

May 30 - June 3, 2016  
Munich, Germany

### CONEXPO-CON/AGG 2017

March 7 - 11, 2017  
Las Vegas, NV USA

### SMOPYC.

April 4 - 7, 2017  
Zaragoza, Spain



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