

# InfraStructures



**CONSTRUCTION • PUBLIC WORKS • NATURAL RESOURCES**

Volume 20 • Number 4 • April 2016 • *English Edition*



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**Volume 20 Number 4**  
**April 2015**

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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.

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Publications Mail Agreement #40052183

## A Brief Word...

*Well here we are in April, after a March that was more like a lion with mange and a touch of botulism after eating bad lamb.*

*With the World of Concrete and NHES behind us and 1/2 loads in effect, our season is off to a stumbling start.*

*The major downturn in oil and its knock-on effects have already caused the alleged experts to revise growth figures downwards, much as I have been predicting, and dreading.*

*Hopefully, this lingering wintery weather will help to pen up demand and hold up projects to create a flash flood of sector spending to take us through the summer.*

*As usual, InfraStructures will be here and available to inform you of what technology and innovations may signal your future.*

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On the cover:

United Rentals Trench Safety division has provided a MegaBrace shoring system for a push pipe project in Laval, Quebec.

The system uses hydraulically adjustable legs for multi-sided excavations. Designed for heavy-duty applications, it is quick and easy to install, eliminating the need for beam cutting and welding.



## **SUPERIOR INDUSTRIES TO PURCHASE CLEMRO WESTERN**

Superior Industries, Inc., a major American manufacturer and global supplier of bulk material handling systems, says it has entered into an agreement to acquire Clemro Western Ltd. The 30-year-old Calgary, Alberta-based company is a leading manufacturer and supplier of crushing and screening equipment in Western Canada. The company also supplies to clients in the

U.S. and throughout Latin America.

The pending acquisition will allow Superior to increase its bulk handling product portfolio for its customers in aggregate and mining production.

Founded in 1981 by Ralph Fasoli, Clemro Western is best known for manufacturing a line of cone and jaw crushers, horizontal and incline screens and a collection of belt feeders. In 2008, Mr. Fasoli was recognized for his leadership when Ernst & Young

named him a finalist for their Entrepreneur of the Year award. Later, Mr. Fasoli passed day to day operations of the company's 2 plants to his son, Emmanuel, who continues in that role today.

Source: Superior Industries, Inc.

## **SR LUBRICANT SOLUTIONS INTRODUCES ITS MYCROLEUM BRAND**

SR Lubricant Solutions, LLC, is excited to announce the launch of a full line of state-of-the-art lubricant products under its new Mycroleum brand.

The company is focusing on commercial and industrial uses for the Mycroleum line, which initially consists of Mycroleum Engine Oil Treatment; Mycroleum Gear Treatment; a full complement of greases, including EP2, EP1, EP0 and 00; and 2 fuel treatments: Mycroleum Fuel Solutions Diesel Treatment and Mycroleum Fuel Solutions Gasoline Treatment.

Mycroleum lubricant products contain patent-pending Mycroleum technology utilizing micro-metallic particles. None contain lead, PTFE, chlorinated paraffins or antimony components.

"Mycroleum is going to be a strong brand in Canada as well as the U.S. because it uses the highest quality base products available," said Scott Deslippe, an Amherstburg, Ontario, resident, heading the brand's launch in Canada. "Our top priority right now is building our distribution network across the country and working with our distributors to penetrate the market in their verticals. The foundation is set to really grow this brand in Canada. There is a need for quality products like these that provide results, and I look forward to growing the brand in Canada with great enthusiasm."

Source: SR Lubricant Solutions, LLC

## **PALADIN ATTACHMENTS ACQUIRES KODIAK MANUFACTURING**

Paladin Attachments recently announced the acquisition of Kodiak Manufacturing, Inc. Founded in 1996 and headquartered in Charleston, Tennessee, Kodiak is a leading manufacturer of agricultural implements including rotary cutters, soil and gravel movers, tillers and additional tractor implements. The move supports Paladin's continued product diversification objectives and improves its presence in the agricultural market sector. Similarly, it provides Kodiak with a solid platform



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for continued growth through increased capacity and market support which enhances the value of the brand to its customer base.

The integration will be transparent to the many loyal Kodiak customers who can continue ordering product through existing channels, as they have always done. Paladin will add value through process improvement, manufacturing diversity and market support services to further enhance the overall customer experience for Kodiak products.

"The Kodiak acquisition fulfills critical growth strategies that are central to Paladin maintaining its leadership position in high quality attachment provision", commented Mike Flannery, vice president, general manager of Paladin. "We highly respect the Kodiak brand, as well as the people and products that define this unique brand proposition. We also highly value the solid customer relationships Kodiak has built and maintained over many years and these relationships align very well with our channel strategies."

Source: Paladin Attachments

#### ACI ADDS TWO NEW MASONRY TESTING CERTIFICATION PROGRAMS

The American Concrete Institute has launched 2 new masonry-related certification programs: the Masonry Field Testing Technician and the Masonry Laboratory Testing Technician. Developed by ACI Subcommittee C601-C, Masonry Testing Technicians, the programs provide certification to technicians working in the laboratory or in the field who can demonstrate technical knowledge and skills for sampling and testing of masonry units, mortars, grout, and prisms. The programs are based on content from ASTM specifications.

For the masonry industry, implementation of testing certifications is vital. "Developing these programs filled an important need within the testing and inspection community," said Chris Robinson, chair of ACI Committee C670, Masonry Technician Certification.

"Our sponsoring group coverage enables ACI to bring these new programs to

market in an efficient and effective manner. We have 117 sponsoring groups worldwide, with 97 in North America," said John Nehasil, ACI managing director of Certification & Chapters. "With the program now available, we expect reasonable coverage from our sponsoring groups."

Both new programs have the support of The Masonry Society, the National Concrete Masonry Association, and the Portland Cement Association. The Masonry

Society will be a National Sponsor for this program, and Certification will be offered through local sponsoring groups.

To learn more, visit [www.concrete.org](http://www.concrete.org)

Source: American Concrete Institute

#### ANSI ACCREDITS CCO CERTIFICATIONS

The National Commission for the Certification of Crane Operators has announced it has been awarded accreditation by the American National Standards Institute

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(ANSI) for its CCO Lift director and CCO Service Truck Crane Operator programs. This brings to 11 the number of CCO certifications that ANSI has accredited.

ANSI's decision to accredit these programs came after thorough analysis of test data and rigorous audits of NCCCO's management systems and psychometric procedures, as well as detailed scrutiny of its test development and administrative processes, said NCCCO director of Operations and Program Development, Joel Oliva.

"This means these two programs, both of which were introduced in 2013, are now nationally accredited by ANSI to the ISO/IEC 17024 International Standard for organizations that certify personnel," said Mr. Oliva. "In NCCCO's 20<sup>th</sup> Anniversary Year, this is a highly valued addition to the CCO personnel certification portfolio."

"ANSI and ISO provide the most rigorous accreditations available," said Ellis Vliet, NCCCO Commission chairman. "Candidates and employers alike can now be assured that, with ANSI's independent

verification processes, both CCO Lift director and CCO Service Truck Crane Operator certifications meet the highest professional standards of examination development and administration."

NCCCO also announced that all currently accredited CCO certifications have passed their annual audit by ANSI.

ANSI's audit of NCCCO occurs annually as a requirement of its accreditation to ISO 17024, with an on-site inspection by ANSI auditors every other year. Although NCCCO's current accreditation runs through August 2017, ANSI requires specific data be submitted on an annual basis, and grants continued accreditation only if all requirements are met.

NCCCO also picked up another highly-prized commendation from ANSI – its seventh since it was first accredited by ANSI in 2007 – this time for its outreach program aimed at candidates scheduled to take CCO practical examinations. "NCCCO is to be commended for developing very high quality video tutorials on its website for the Mobile Crane and Service Truck

Crane practical examinations," ANSI's assessors stated. "These videos provide detailed descriptions and illustrations of the requirements and candidate experience during these activities, and very likely increase the readiness and comfort of individuals taking the examinations."

NCCCO CEO, Graham Brent, noted that a central part of NCCCO's mission since its inception 20 years ago had been to establish national testing programs that were fair to all candidates while at the same time were both valid and reliable assessments of essential knowledge and skills. "ANSI's continued accreditation CCO certification programs is clear testimony that that goal is being achieved," he said.

"Earning ANSI accreditation is a major undertaking," said ANSI director, Personnel Credentialing Accreditation Programs, Dr. Vijay Krishna, "and NCCCO can be very proud of this accomplishment. No other accreditation process demands the degree of psychometric or management disclosure that ANSI requires for accreditation under ISO 17024."

Source: The National Commission for the Certification of Crane Operators

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#### WORK TRUCK SHOW 2015 ATTENDANCE BREAKS 11,000 AND SETS RECORD

A record-setting 11,005 industry professionals from all 50 states, 8 Canadian provinces and 23 countries turned out for The Work Truck Show® 2015, North America's largest work truck event. The Work Truck Show 2015 was held March 4-6, with educational sessions and the concurrent Green Truck Summit kicking off March 3, in Indianapolis, Indiana. It is produced annually by NTEA – The Association for the Work Truck Industry.

New product introductions were a major draw this year. Mercedes-Benz Vans revealed its new Metris mid-size van at the show. Other announcements creating buzz in Indianapolis were the unveiling of the Ford F-750 Tonka dump truck, Hino Trucks' move into the Class 4 market with its 155 model, Chevrolet's introduction of a 2015 Colorado box delete option, Ram Commercial's expansion of its Ram 2500 CNG offerings, Utilimaster's reveal of its new VELOCITY walk-in van and STAHL's debut of the industry's first polymer composite service body, the Razorback. Altogether, there were new products in practically every aisle.



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Over the last 5 years, NTEA has increased the size of the Show floor by 40% in response to growing demand. Exhibit space for The Work Truck Show 2016 is already sold out. The Work Truck Show returns to the Indiana Convention Center March 2-4, 2016, with educational sessions and the concurrent Green Truck Summit kicking off March 1. Registration opens in October.

The Work Truck Show brings together more than 11,000 truck fleet managers, manufacturers, distributors, dealers, equipment buyers and maintenance personnel annually, and features the newest

vocational trucks, vans, components and equipment.

Source: NTEA – The Association for the Work Truck Industry

#### **CANADA'S CONSTRUCTION INDUSTRY ADJUSTS TO CHANGING CONDITIONS**

The composition of resource-related investments is changing after more than a decade-long construction expansion, driven by new resource developments. Major infrastructure projects, sustaining capital and maintenance work that support Canada's new resource capacity become important drivers of labor market

demands, according to the latest forecast released recently by BuildForce Canada.

"As oil investments slow, opportunities continue in pipeline, transportation systems, electricity generation and distribution projects," said Rosemary Sparks, executive director of BuildForce Canada. "New jobs are being created, supporting current and future resource production."

BuildForce Canada's 2015-2024 *Construction and Maintenance Looking Forward* forecast shows that Canada's construction workforce must meet the demands of new and ongoing resource development, as well as sustaining and maintenance work. Despite weaker conditions at times during the 10-year forecast period, the workforce continues to grow, with 81,000 new jobs created. Industry's bigger challenge is offsetting the rising number of retirements. Up to 250,000 construction workers, or 21% of the workforce, is set to retire in the next decade.

"Replacing that many retirees is an ongoing challenge," added Ms. Sparks. "Industry can't afford to let up on recruitment, whether it's attracting young people, workers from other industries, or from outside the country."

BuildForce Canada's annual forecast also shows:

**Residential construction:** Employment rises modestly across Canada from now to 2024, with stronger gains in Ontario, Quebec and British Columbia. More than half of residential construction investment will be in renovation and maintenance work. Residential construction is more cyclical in Newfoundland and Labrador, Saskatchewan and Alberta, where resource project cycles drive new housing lower across the scenario period.

**Non-residential construction:** Employment grows gradually to 2024 with the strongest gains in the West. Engineering projects drive employment cycles in Newfoundland and Labrador and Saskatchewan. In Alberta, oil price declines drive oil and gas construction lower until 2017, when job

## **Blastcrete Upgrades MX-10 Mixer/Pump for Greater Efficiency**

The upgraded MX-10 Mixer/Pump from Blastcrete Equipment Company has the fastest, most efficient mixing capabilities in the industry. Its new, closed-loop hydraulic circuit delivers greater speed and torque to quickly and effectively mix dense refractory materials in less than 2 minutes. The new system provides greater efficiency that leads to faster and greater ROI on demanding refractory wet shotcrete and pump cast applications in foundries, power generation, petrochemical, steel mills and cement manufacturing facilities.

The MX-10's hopper handles up to 1,100 kg of material, and its high-speed hydraulic agitator keeps materials blended and in suspension as the material flows to the pump. The unit's 75 mm swing tube piston pump operates with up to 150 bar (2,200 psi) for consistent installation of as much as 10.8 t/h of material.

The new MX-10 can be equipped with a John Deere or Deutz water-cooled diesel engine. Blastcrete also offers the unit with electric motors.

The MX-10 is faster and easier to clean than traditional swing-tube piston pump units. The swing-out receiving hopper provides easy access to the lower hopper and swing tube section for cleaning and maintenance. Blastcrete offers an optional pressure washer for easier cleanup and an automatic lubrication system to ensure proper greasing of the swing tube pump.

The MX-10 is CE-certified to meet European Union safety standards for equipment operation.

Blastcrete has been manufacturing safe, reliable and user-friendly solutions for the refractory and shotcrete industries for more than 60 years. With a complete product line consisting of concrete mixers, pumps and related products, the company serves the commercial and residential construction, ICF and SCIP building systems, refractory and underground markets.

Source: Blastcrete Equipment Company





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growth resumes. Commercial construction is a steady source of new construction jobs across all provinces.

BuildForce Canada is a national industry-led organization that represents all sectors of Canada's construction industry. Its mandate is to provide accurate and timely labor market data and analysis, as well as programs and initiatives to help manage workforce requirements and build the capacity and the capability of Canada's construction and maintenance workforce.

Source: BuildForce Canada

#### **CWW CONVEYOR SYSTEMS ACQUIRES CONVEYOR AND BELT LINE FOR EXPANDED CAT MINING PRODUCT LINE**

CWW Conveyor Systems, LLC and Caterpillar Global Mining America LLC finalized

a transaction on March 20, 2015, through which CWW acquired Cat Global Mining's conveyor systems product group serving the U.S., Canada and Mexico. CWW is a new entity formed by 2 Caterpillar dealer principals: Jay Cleveland Jr. of Cleveland Brothers Equipment Company, Inc. and CB Mining, Inc. and Monty L. Boyd of Wayne Supply Co. and Walker Machinery Co.

"CWW was established as a separate, independent company to provide customers a broad line of belt terminal groups, structures and idlers, pulleys and rollers used in the mining industry," said Jay Cleveland, Jr., manager and president of CWW.

"We are excited about the opportunity to grow and improve the current product offerings that our customers in the coal

industry have been using for the past 20 years," added Monty L. Boyd, manager of CWW.

CWW Conveyor Systems LLC, headquartered in Hillsville, Virginia, offers complete sales and support for the bulk material handling systems in the U.S., Canada and Mexico. CWW will distribute conveyor systems and parts regionally through other Caterpillar dealers. The 80 employees of CWW bring a wealth of experience from their time at Bucyrus and Caterpillar and are committed to continuing to provide the products and support that customers expect.

Source: Associated Equipment Distributors (AED)

#### **JOHN DEERE TURF CARE PRODUCES MILESTONE MACHINE**

John Deere recently marked a manufacturing milestone with the completion of the 500,000<sup>th</sup> unit built at the Turf Care factory in Fuquay-Varina, North Carolina. The unit, a John Deere ZTrak™ Mower, was celebrated by the entire factory and will be on display at several upcoming local events.

"Producing the 500,000<sup>th</sup> machine is a significant milestone for John Deere and our whole Turf Care team," said Rosalind Fox, factory manager of John Deere Turf Care. "We are proud of the legacy we've built as a company and the work our team puts into every piece of equipment we produce. It's a special day for the factory, the town of Fuquay-Varina and John Deere customers everywhere."

In 1997 the factory produced its first unit – a Lightweight Fairway Mower. Today, Turf Care produces 10 different models of commercial mowing and golf equipment that are distributed throughout North America and exported to more than 100 countries.

The Turf Care facility occupies more than 31,100 m<sup>2</sup> of office and manufacturing space on Highway 55 in Fuquay-Varina and operates a 29,700 m<sup>2</sup> distribution warehouse in Benson, North Carolina for raw parts and finished goods.

Source: Deere & Company

## **Loftness Introduces Hydraulic Oil Cooler Attachment for Skid Steers**

The Cool Flow hydraulic oil cooler from Loftness Specialized Equipment greatly reduces the risk of overheating in skid steers and hydraulically powered attachments when operating in demanding applications and hot work environments. The automatic thermostat-controlled fan provides adequate cooling to the system whenever needed to boost machine efficiency, even when an attachment is not being used.

Unlike most other hydraulic coolers that are mounted near the attachment, the Cool Flow attaches to the roof of a skid steer cab where it is less susceptible to vibration, back pressure, debris and potential impact damage. It is specially engineered to allow full hydraulic flow to the attachment in either direction without risk of damage to the cooler. This unique feature allows operators to run the attachment in reverse when needed, and it also protects the unit in case hydraulic hoses are accidentally reversed.

A self-cleaning design helps the Cool Flow run efficiently. To further simplify maintenance, the bottom screen slides out for easy cleaning, and the hinged fan assembly can be raised to access the cooling core.

The Cool Flow has up to 40-GPM flow capacity and is compatible with all brands of skid steers. Operators can keep the unit continuously mounted to provide cooling for multiple attachments used on one skid steer.

Loftness manufactures the VMLogix line of vegetation management equipment, which includes hydraulic oil coolers and high-performance mulching heads for a variety of equipment, ranging from skid steer loaders to 400 hp prime movers.

Source: Loftness Specialized Equipment





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# New Municipal Equipment Expo Canada for Public Works

Messe Frankfurt is constantly expanding its network of international environmental-technology trade fairs. To be held concurrently with Waste & Recycling Expo Canada for the first time, Municipal Equipment Expo Canada is aimed at decision makers from public authorities and provides in-depth information about modern, sustainable urban development.

At the trade fair, exhibitors will present their products and services for water and sewage management, parks, fleets, flood protection, civil engineering, emergency services, road construction and repairs, and transportation. With this extensive range, the new fair will supplement the

spectrum of products to be seen at Waste & Recycling Expo Canada, the country's most important event for waste and recycling management. Messe Frankfurt expects over 300 exhibitors to take part in the 2 fairs in Montreal, Quebec, from November 4-5, 2015.

The Canadian duo will be held in Montreal and Toronto in alternate years.

The new event in Canada brings to 8 the number of trade fairs for environmental technology organized by Messe Frankfurt around the globe.

"With our growing range of trade fairs for the dynamic environmental-technology sector, we bring together political deci-

sion makers, investors and technology manufacturers, and pave the way for the sustainable development of these countries," says Iris Jeglitza-Moshage, senior vice president, Messe Frankfurt Exhibition explaining the growing significance of the 'Environmental Technology' Business Unit.

The rapidly expanding regions of the world, especially India, China and Africa, will face major challenges over the coming years, to provide their growing populations with reliable access to the natural resources of water, energy, land and air.

As one of China's most important trade fairs for the water-management sector, Water Expo China in Beijing from November 18-20, 2015 is characterised by an extensive range of products and services and multifarious networking opportunities. The products on show range from pumps, seals, pipes, irrigation and desalination systems, via modern landscape architecture in relation to cities and water, to equipment for testing water quality, inflatable rubber dams and drain-pipe repairs. The trade fair regularly features international pavilions with Denmark, the U.S., Korea and Japan being represented last year.

The use of building-related solar energy is the thematic focal point of Building Solar China, one of the building-technology trade fairs organized by Messe Frankfurt in China under the motto "Intelligent Green Building".

Eco Expo Asia is one of the region's most important environmental fairs with a product spectrum ranging from modern environmental management to sustainable products for building and life in general. The next edition of the trade fair, which is a joint venture of Messe Frankfurt and the Hong Kong Trade Development Council in cooperation with the Environment Bureau, The Government of the Hong Kong Special Administrative Region, will be held in Hong Kong from October 28-31, 2015.

In the aspiring Indian market, the Watertech, Wastetech and Cleantech trio of fairs in New Delhi is distinguished by an extensive spectrum of products and services and the support of official bodies. The next edition opens its doors from September 2 to 4, 2015.

Source: Messe Frankfurt

## Neal Manufacturing Upgrades DA-350 Sealcoating Machine

Neal Manufacturing, an industry pioneer and leader in asphalt sealcoating equipment, upgraded its DA-350 Dual Applicator sealcoating machine to enhance productivity and ease of use. The 2-wheeled, self-propelled unit has a 1,325 l tank and allows contractors to apply sealcoat with squeegee and spray systems.

Neal added a high-powered blower to the front of the DA-350 to help users quickly and easily prepare the surface for sealcoat application. The blower produces more than 170 m<sup>3</sup>/min (3 times the output of a typical walk-behind blower) for fast and thorough dirt and debris clearing. The blower unit rotates, allowing contractors to lock it in an upright position for transportation or move it down for operation. The nozzle on the blower articulates 360° enabling the contractor to blow debris in the optimum direction. Once the blower cleans the area, a 150 l fogger system cools surfaces prior to application to ensure optimal adhesion.

The DA-350's new 2.4 m, diamond-shaped squeegee assembly features internal baffles that help distribute material more evenly than squeegee assemblies without baffles. After applying a coat with the squeegee, contractors can apply a second coat with the DA-350's 6-nozzle spray bar. A spray coat also can be applied with a 182 cm hand wand connected to 22.8 m of reinforced hose for added versatility on the jobsite.

Neal's dual application system gives contractors the ability to fill the voids in the surface of the asphalt with the squeegee. They can then apply a second coat with the spray bar for a smooth finish that completely seals the asphalt and lasts as much as 40% longer than a job done with 2 spray coats.

The DA-350 has a hydraulic-powered piston pump that can transfer as much as 378 l/min of material and it produces enough pressure to pump modified sealers and emulsions, as well as mixes with as much as 1.2 kg/l of sand. The machine comes standard with a 38 hp Kohler gasoline engine, or an optional 35 hp Kubota diesel engine.

Source: Neal Manufacturing





## New Blower Option Available on the Vactor HXX HydroExcavator®

Vactor Manufacturing, the industry leader in vacuum excavators, sewer and catch basin cleaners and industrial vacuum loaders featuring innovative technology and custom configurable designs, recently introduced a new Robuschi blower option for the company's HXX HydroExcavator®. Vactor showcased the new Vactor HXX option at the Water & Wastewater Equipment, Treatment & Transport Show, held last February in Indianapolis, Indiana.

The new blower, rated for 174.8 m³/min and 0.95 bar, delivers quieter operation and higher airflow.

The new Vactor HXX also features a 206 bar variable water multi-flow pump with the new patent pending DigRight™ technology that allows the operator to select a maximum water pressure limit to prevent the pressure from exceeding site or industry requirements.

The DigRight technology includes a user-selectable maximum water pressure



setting that controls the water pump's maximum water pressure output, preventing wear and tear on check valves, un-loader valves, and relief valves by avoiding bypassing water. The system has 3 default selectable pressure limitations based on industry best practices for digging around underground utilities – 103, 172 or 206 bar (1,500, 2,500 and 3,000 psi) – with the option to deactivate the feature.

A new boom turret design on the Vactor HXX provides increased vertical range of motion for improved operator performance and productivity. This increased range of motion enables the operator to complete most applications with only one dig tube, eliminating the need for additional vacuum tubes.

Source: Federal Signal Corporation



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# Double-Digit Growth at World of Concrete 2015

Celebrating 41 years of industry excellence, World of Concrete 2015 exceeded expectations across the board. The event drew 55,779 registered professionals, up from just over 48,000 in 2014, and featured more than 1,459 companies exhibiting across more than 62,700 m<sup>2</sup> space, an increase of more than 9,000 m<sup>2</sup> from 2014. This was the largest World of Concrete



in 6 years. The energy and excitement from both attendees and exhibitors was palpable throughout the week at the Las Vegas Convention Center.

"With the industry ramping up again, education became a key asset at WOC this year. Attendees took more classes than they have in the last 6 years sharpening their skills for what's to come. In addition, international attendees made a big impact scouring the show for new equipment, tools, and technology to make their

operations more efficient and profitable," said Jackie James, show director, World of Concrete.

Highlights of the 2015 edition included the opening ceremony awarding the World of Concrete Legacy Award to recipient Ed Sauter, Tilt-Up Concrete Association's executive director, and Concrete Foundations Association's executive director, along with the Weatherton Scholarship, providing funds to help the next generation of concrete professionals attending the CIM (Concrete Industry Management) Program. In addition, CIM held its annual unreserved silent and live auctions at World of Concrete. The silent and live auctions raised an initial tally of approximately \$800,000.

For the 4<sup>th</sup> year, World of Concrete 2015 recognized the accomplishments of crews in the commercial construction/masonry industry with the Crews That Rock competition, sponsored by BASF. Crew members were honored for their teamwork and contributions to the industry and their communities. Projects were submitted in 1 of 2 categories, Community Service/Not-for-Profit and Commercial/For-Profit. With 25 total finalists, including 19 in the Commercial category and 6 in the Community Service category, the contest resulted in thousands of online votes and tremendous



interest through social networks.

Langston Concrete Inc. received the award in the Commercial/For-Profit category for the Royal Gorge Bridge and Park and the International Union of Bricklayers and Allied Craftworkers' (BAC) La Grange Park's Veterans Memorial received the award for the Community Service/Not-For-Profit category. The Grand Prize winners were honored at WOC 2015 during the Crews That Rock reception. BASF and TV personalities Dean & Derek presented awards and swag bags for the winning crews.

The next edition of World of Concrete will be held February 1-5, 2016 (seminars February 2-5, 2016) in Las Vegas.

Source: Informa Exhibitions U.S.

## Atlas Copco Featured Its BV30 Vibrating Screed at World of Concrete

The compact, single-beam vibrating screed allows contractors to level concrete in a variety of applications, including garage floors and driveways as well as in confined areas. The BV30's interchangeable blades, lightweight aluminum body and rigid screed blade provide maximum versatility, easy handling and stability. Atlas Copco exhibited the BV30 vibrating screed at World of Concrete.

The BV30 weighs as little as 12.7 kg and is available with 5 blade sizes, ranging from 183 to 427 cm long. The variety of blade sizes gives contractors the flexibility to use the screed on both small- and large-scale jobs. The screed is equipped with a

V-shaped, rigid bottom plate that prevents the blade from twisting to ensure stable and consistent leveling. And because the screed vibrates, it eliminates the need for pokers while leveling concrete as deep as 127 mm.

This single-beam vibrating screed offers a height-adjustable, foldable handle for easy operation and transportation. It can be maneuvered by one operator and includes unique features, such as an adjustable centrifugal force of the screed. This feature is ideal for efficient leveling of nearly any type of concrete.

The BV30 is equipped with a Honda GX35 Mini 4-stroke engine and includes



a damper between the engine and the handle that minimizes hand and arm vibrations.

"The BV30 gives operators optimal flexibility in a screed," said Darrell Engle, product development specialist at Atlas Copco. "Its assortment of blade sizes gives the operator the versatility to use one screed to tackle a variety of jobs."

Operators can easily clean the screed with water and a stiff broom, which ensures it is easy to handle and operates efficiently on the next job.

Source: Atlas Copco



## CON-E-CO Unveils Self-Contained, Easy to Erect, LO-PRO 327S Batch Plant at World of Concrete

CON-E-CO, an Oshkosh Corporation company, unveiled its new CON-E-CO® LO-PRO® 327S mobile batch plant at the World of Concrete exhibition in Las Vegas, Nevada last February. The LO-PRO 327S achieves a new level of performance with a compact, self-erecting and self-contained batch plant that features an in-truss dust control system, a weighed water batcher, and the LO-PRO's blending cement batcher and live-bottom aggregate batcher for industry-leading productivity.

"The LO-PRO 327S is the newest addition to the ever expanding CON-E-CO line of mobile batch plants; it's all about faster setup and maximum productivity," said Neil Smith, CON-E-CO general manager. "The built-in hydraulic system self erects, while the low overall height means the 327S can be set on steel mats. Those are huge benefits for concrete producers who need to minimize start-up time and setup costs."



In addition to eliminating the need and associated costs of a crane for setup, the LO-PRO 327S features a frame-mounted truck mixer dust control system (or central dust control system) and a weighed water batcher that travel in place with the plant, thereby eliminating additional freight costs.

The plant's 4 m height from grade to the truck mixer charging hood eliminates the

need to excavate for truck clearance.

"As we developed the LO-PRO 327S we gathered a great deal of feedback from customers across the country. The end result is a new level of performance in a mobile, self-erecting, and self-contained batch plant," added Mr. Smith.

Source: Concrete Equipment Company

## Record Attendance at World of Asphalt & AGG1

World of Asphalt and AGG1 2015 were a huge success: registered attendance broke all records, the show floor was the largest ever, and education ticket sales set a new record.

Registered attendance totaled more than 7,600, an increase of more than 1,000 over the previous record and 26% over the last edition of the shows; registrants came from all 50 states, 9 Canadian provinces and more than 50 other countries.

Both shows set exhibitor and exhibit space records for a total 450 exhibitors taking more than 12,500 m<sup>2</sup> to showcase the latest technologies and products.

A record 10,000-plus education session tickets were purchased by attendees for the shows' signature learning programs.

"The enthusiasm and industry support have been wonderful; it's really important for us to come together to talk with and learn from each other, and that's what these shows delivered," stated Rick Feltes of Lafarge North America and 2015 chair of NSSGA's AGG1 Academy & Expo, representing the National Stone, Sand and

Gravel Association (NSSGA).

"This has been a tremendous event; the interaction and energy on the show floor as exhibitors connected with customers has been great, very positive," stated 2015 World of Asphalt Show & Conference chair Rick Moore of Lehman-Roberts, representing the National Asphalt Pavement Association (NAPA).

The World of Asphalt Show & Conference and NSSGA's AGG1 Academy & Expo were held March 17-19 in Baltimore, Maryland.

The 2015 event offered added value through a new partnership with the U.S. Department of Commerce, and its International Buyer Select Program. The program helped attract visitors from around the world, increasing the networking and business connections for all show participants.

Attendees could take advantage of education sessions focused on industry best practices, solutions and benchmarking. Education included NSSGA's signature AGG1 Academy and NAPA's People, Plants and Paving Training Program.

Nearly 30 industry-related associations and groups worldwide were official show supporters. Co-located events included the Maryland Asphalt Association annual conference, North East Asphalt User/Producer Group executive board and steering committee meetings, and American Road and Transportation Builders Association Safety in the Work Zone conference.

"Exhibitors and attendees alike cited the value of face-to-face dialog with so many industry professionals and companies in one place, and the consistently high-quality environment of the shows," stated show manager Rich Prausa of the Association of Equipment Manufacturers (AEM).

Planning is already underway for the 2016 World of Asphalt and AGG1 – to be held March 22-24 in Nashville, Tennessee, at the Music City Center.

World of Asphalt and AGG1 are industry-owned and operated. AGG1 is owned by NSSGA. World of Asphalt is owned by NAPA, NSSGA and AEM.

Source: Association of Equipment Manufacturers



## Superior Walls Expands to Canada

Superior Walls of America has expanded operations into Canada with the addition of 2 new licensees manufacturing precast concrete foundation systems for the Canadian marketplace.

Superior Walls Alberta, Ltd., located near Calgary, now offers Superior Walls® Xi™ products throughout the province of Alberta. Superior Walls by Magnis, Inc., out of Beausejour, provides Superior Walls® Xi™ products throughout the Manitoba province.

"The Canadian market is primed for our precast concrete products for a multitude of reasons," says Keith Weller, CFO of Superior Walls of America. "Our energy-efficient products meet the demanding energy codes in Canada and perfectly complement the shorter building season in that country due to weather conditions. I have high confidence that the Canadian marketplace will play a major role in our company's growth in 2015."

Since 2012, when the Canadian Con-

struction Materials Centre (CCMC) declared that Superior Walls precast concrete insulated wall panels were evaluated for use in Canada, Superior Walls has aggressively sought licensees throughout Canada and hopes to add more business partners in the future.

Originally created in 2003 and 2013 respectively, as energy-efficient alternatives to traditional foundation methods, Xi and Xi Plus panels have revolutionized the home building industry. Available for installation year-round, the foundation panels provide warm, dry basements for homeowners – even in the harshest and coldest northern climates.

Xi wall panels feature steel reinforced concrete and 63.5 mm of insulation to create a permanent barrier against sidewall water penetration. The panels are custom designed and constructed in a factory-

controlled setting. Unique features of the Xi wall panels include:

- 5,000+ PSI concrete;
- steel-reinforced top bond beams, concrete studs and footer beams;



- horizontal steel rebar inside top and bottom beams;
- vertical steel rebar inside each stud;
- access holes for ease in wiring and plumbing;

## Dressta To Launch New Customer-Focused Hydrostatic Compact Dozers

In response to customer demand, Dressta is delighted to unveil the new TD9 Hydrostatic Crawler Dozer. This new high-performance, compact crawler dozer has been developed by Dressta's team of expert engineers, and is the first of 3 new world-class models that range from 74 to 101 hp.

The new model has been validated by expert operators at a series of pre-launch performance trials at the Dressta proving grounds in Poland. The TD9, due to be launched in the third quarter of 2015, was presented to equipment owners and dozer operators from the key markets of North America and Canada. They put the Iron to the test in a series of challenging trials designed push the performance of the new hydrostatic dozers to the limit, and provided their feedback to help fine-tune the machine's performance.

The key components of the new models are from worldwide renowned suppliers such as Cummins, and Rexroth, while the structural design and DNA are a natural

progression of Dressta's decades of experience in building crawler dozers and other construction equipment.

Dressta's variable bi-directional dual path hydrostatic drive is controlled by a programmable electronic control module. This provides the perfect match between load and ground speed, regardless of the ground condition or specific dozing application. The result ensures that operators have full command during the most challenging of tasks, such as when dozing with a full load or performing precise final grade operations.

Independent track control delivers the required speed changes to each side and allows for smooth, full-power turns. On-site maneuverability and job performance are further strengthened by the stable counter-rotation feature, whilst the low center of gravity delivers stable and safe operation when working on slopes or in rugged terrain.

This has been achieved through Dressta's willingness to proactively seek



customer feedback and implement the responses directly into the design & validations process. The team of engineers features experts in a variety of applications, who have masterminded the perfect blend of intuitive functionality, extreme durability and ultimate operator comfort in a compact crawler dozer.

Source: LiuGong Dressta Machinery



- galvanized steel stud facing ready for drywall finishing;
- insulated corners, studs and bond beams.

Xi Plus wall panels have many of the same features of the Xi walls, plus:

- higher R-Value due to 127 mm of rigid insulation;
- 100 mm insulated footer beam;
- 100 mm standard floor slab may be poured equal to the height of the footer beam eliminating the need for an additional screed board.

"Specially certified installation crews come to each jobsite to install our precast wall panels," says Mr. Weller. "Each panel is placed on either clean, crushed stone footings or a traditional concrete footing. The speed of installation makes this a cost-effective product for home construction. This impressive foundation system is usually put in place and completed within a single day. The end result is a dry, warm and extremely energy-efficient foundation system that adds value to the home."



Xi and Xi Plus foundation wall panels provide R values that meet or exceed energy conservation values for both the International Energy Conservation Code (IECC) and the International Residential Code (IRC).

Superior Walls insulated precast concrete wall systems have earned the National Green Building Standard™ Green

Certified Product designation by Home Innovation Research Labs. For homeowners, the benefits of Superior Walls foundations systems are substantial. The energy-efficient walls help lower energy costs and reduce energy leakage while providing increased living space in a comfortable setting.

Source: Superior Walls of America, Ltd.

## Case Extends SiteWatch™ Telematics Global Coverage with Iridium® Satellite Connectivity

CASE Construction Equipment has expanded the coverage of its SiteWatch™ telematics service into areas without cellular network coverage through a new partnership with Iridium® satellite connectivity. The new satellite service – available in Spring 2015 – is offered as an option on the existing SiteWatch packages, enabling CASE machines to transmit data from every corner of the globe even when normal cellular connectivity is absent. This new service is testament to CASE's continued search for solutions that help customers run their businesses efficiently and make their work easier.

To ensure its customers benefit from the most reliable satellite service available on the market, CASE partnered with Iridium Communications Inc., the network provider known for its global coverage, low latency, small form factor and for the quality of its signal. CASE also selected one of the best satellite modem manufacturers, Quake Global, for its Telematics Satellite Modem.

The new SiteWatch extension transmits



all the data managed by the telematics system by satellite, such as positions, status, performance, fuel consumption and vehicle health conditions at regular intervals, as well as alarm notifications in real time.

Customers can easily add the new satellite service to any machine – CASE and other brands – that has SiteWatch installed and an active subscription. The extension only requires the simple Telematics Satel-

lite Kit and Subscription, available from CASE Dealers.

The new satellite system is designed to be flexible and portable, so that customers can easily transfer it from one machine to another according to their needs and work conditions.

Source: CASE Construction Equipment



## Superior Propane Fuelled School Buses Score Top Marks

As bus companies across the country look for more efficient, environmentally friendly alternatives to diesel, Superior Propane has partnered with Southland Transportation to fuel 101 buses serving the Calgary Board of Education – a partnership that is proving to be very beneficial particularly in recent cold temperatures.

Southland made the change from diesel-fueled buses in order to increase vehicle efficiency, provide an environmentally cleaner fuel, and to improve reliability and engine performance.

With the onset of winter, the benefit of switching to propane fuel for the fleet of buses has been especially clear, according to vice president of Southland Transportation, Tom Jezersek. "Our Superior Propane fuelled buses start easily in the cold temperatures which means we can get our passengers reliably to and from school in all temperatures. And because we don't need to use oil pan heaters, our buses are both more reliable and safer for our drivers

and our passengers."

The switch to Superior Propane has also provided a one-stop solution to improve the fleet's efficiency and impact on the environment. Before the switch, some of Southland's diesel buses had to be filled at off site filling stations, which was inconsistent with Southland's commitment to the environment.

"The simple installation of Superior Propane's refueling dispensers in our yard gives drivers a one-stop service infrastructure that makes a major impact on the time spent on bus maintenance," adds Mr. Jezersek. "This has eliminated a time consuming journey to fill up, saving Southland additional maintenance and

fuel costs, while also helping us lower our carbon footprint while producing less greenhouse gas emissions."

Propane is a cleaner burning, cost-effective alternative that can be up to 37% less expensive than diesel and promotes longer engine life and lower maintenance costs. Propane is non-toxic, lead-free and contains significantly lower levels of sulphur for reduced emissions. Propane



## Jenny Products Releases New "C" Series Line of Air Compressors

Jenny Products, Inc. introduces 4 models of wheeled-portable air compressors featuring new, single-stage "C" pumps and Honda GX commercial engines. The C-series compressors deliver 277.5 l/min at 8,6 bar (9.8 CFM at 125 psi), and are available with 30 l, 57 l, 64 l and 113.5 l air tanks, which are powder-coated and ASME certified.

For maximum durability, the newly engineered "C" pumps are constructed of cast iron and are splash lubricated with Jenny "Ultimate Blue" synthetic compressor-pump oil. The pumps are belt driven with large flywheels for easy start-ups and extra cooling, and directional air shrouds help further reduce pump temperatures. Special unloading valves are also included to assist in engine starting.

"We developed the 'C' pump to take full advantage of the Honda 6.5 hp engine," said Daniel Leiss, president of Jenny Products. "The new compressors fill the gap between our 5.5- and 9 hp models."

Other standard features include a totally



enclosed heavy-duty belt guard, anti-vibration feet for smoother operation, a large canister intake filter with replaceable elements, manual tank drains, a stainless-steel-braided discharge hose, a pressure-release safety valve and tank, regulator and outlet pressure gauges. For superior mobility, the compressors have pneumatic tires and convenient lifting handles. Options include an oil-sight glass, lubricator

and air line filter.

With roots dating back to the 1870s, Jenny Products, Inc. has been an OEM manufacturer for several major manufacturers of air compressors. Today, Jenny manufactures and markets its own line of hand-carry, wheeled-portable and industrial-stationary air compressors.

Source: Jenny Products, Inc.



## Cyclist Detection Safety Systems Popular with London Operators

emits up to 26% less greenhouse gases than regular gasoline.

"At Superior we knew in addition to better performance in cold weather, we could also provide a solution to environmental and maintenance challenges," said Joe Russo, director of Oilfield Sales at Superior Propane. "By providing a more accessible option with high safety performance in all types of Canadian weather, we are allowing Southland staff to dedicate their focus to the role they play in passenger experience and safety."

Southland Transportation calls the new partnership and decision to move to propane a decisive win for the company and its customers.

Source: Superior Propane

Sentinel Systems has secured orders for its award-winning Bike Hotspot System from Boughton Engineering and hire company Firow.

Firow Ltd. has expanded its operations in London, England, and has fitted several new vehicles working in this area with Sentinel's Bike Hotspot system, as well as Sentinel's reversing and side-view cameras for additional safety.

Boughton Engineering, a vehicle body-building company also has customers in the London area and has equipped many of its vehicles with the cyclist safety system and additional reversing aid cameras and 7" in-cab monitors.

The system is proving popular in London where both companies must comply with Crossrail requirements to fit contracted vehicles with safety equipment that alerts drivers to the proximity of nearby cyclists.

"It is great to see that companies such as Boughton and Firow are fitting systems which ensure cyclist safety," said Sentinel Systems' managing director David Paulson. "We are delighted to be able to supply an effective and practical solution that complies with their needs."

Source: Sentinel Systems Ltd.



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# BAUER Maschinen with Lots of Innovations at Intermat

The BAUER Maschinen Group will be taking part again at Intermat in Paris, France, and presenting new machines and innovative designs in the field of specialist foundation engineering.

The core products of BAUER Maschinen GmbH are rotary drilling rigs. The BG family will be represented at the exhibition by a BG 30 ValueLine rig. The BG 30 is a drilling rig that has been especially optimized for Kelly drilling. The BT 80 base carrier was completely designed and built by Bauer. The machine on show at the exhibition is equipped with a 375 hp CAT C9 engine that meets the Tier 3 flex EU emission standard. An engine that meets the latest Tier 4 final standard (CAT C9.3 with 400 hp) can also be installed.

A rotary drive with a maximum torque of 300 kNm (258,000 lb ft) makes it possible to

drill with a diameter of up to 2.5 m. Using a 4-part kelly bar, it is possible to reach drilling depths of 68 m. And with a 5-part kelly bar, a depth of 87 m is even possible. Temporary casings can be installed directly by means of the rotary drive. In difficult conditions, a BTM torque converter or a



casing oscillator can also be retrofitted.

The BG 30 ValueLine does not only boast high performance, but it also has many new features that make maintenance work, rig assembly and disassembly in particular

easier. An integrated service platform enables easy and safe access for all maintenance work in the uppercarriage. There is a metal grating step that is connected to part of the side paneling and that is pulled out from the uppercarriage. The side paneling serves as protection against falling.



Unlike with standard drilling rigs, the crowd cylinder is installed "in reverse". The hydraulic lines that supply the crowd cylinder therefore end at the other end of the cylinder. Uncoupling the lines when

## Doosan Portable Power Begins Manufacturing Airends

Doosan Portable Power began manufacturing airends for insertion in portable air products, starting with the introduction of the HR350 airend in March 2015.

Designed and manufactured at the company's facility in Statesville, North Carolina, the HR350 will be available in the new XHP1170 air compressor and as a drop-in replacement for the previous HR2.5 airend.

The HR350 is the first Doosan-assembled airend to be installed in the company's industry-leading air compressors and available to the OEM market.



"Our goal is to continually provide our customers with the best air compressors in the market," said Rus Warner, global air products manager, Doosan Portable Power. "By designing and manufacturing our own airends, we ensure the key components that contribute to our customers' machine performance are of the highest quality."

Volume and pressure are the 2 most important attributes of any air compressor or drill rig. The Doosan HR350 airend offers a highly efficient rotor profile that produces greater cfm output with less

horsepower, resulting in lower fuel consumption compared to previous airends. In addition to lower fuel costs, the HR350 also reduces the potential for downtime with strengthened internal castings that eliminate cracking and flexing, ultimately ensuring a longer machine life.

The Doosan HR350 airend will be installed in select Doosan air compressors with additional models scheduled for installation at a later date. The HR350 airend is also available for direct purchase to the OEM market.

Source: Doosan Portable Power

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disassembling the rig is no longer necessary. This "reverse" installation solution makes disassembling easier and eliminates the risk of oil leaking on the couplings. The mast can be tilted forwards during rigging procedure whereby the permissible inclination will be shown on the mast inclination system. In this position, all hydraulic hoses of the rotary drive can be connected up from the ground surface.

KLEMM Bohrtechnik GmbH will demonstrate their expertise in small diameter drilling rigs by presenting their KR 702-2 drilling rig and an externally attached PP-115 F power pack. This is a typical rig for drilling in very tight spaces, which makes even going through doorways of 2 m in height and 75 cm width a piece of cake. Supply lines up to 25 m long allow for great base carrier flexibility without having to move the power pack.

MAT Mischanlagentechnik GmbH specializes in the development of mixing, pumping and desanding machines for specialist foundation engineering. Depending on the size of the project or the complexity of the requirements, many of

these machines can be combined to form larger systems. The desanding machine on exhibit, the BE 275-60, is a good example of this. The basic machine is extremely compact machine for the regeneration of bentonite slurry up to a cut-off point of  $d_{50} = 60 \mu\text{m}$ . For the major "Grand Paris Express" project, for example, regeneration plants with a capacity of  $550 \text{ m}^3/\text{h}$  and a cut-off point of  $d_{50} = 20 \mu\text{m}$  are necessary for extensive diaphragm wall work. Bauer Maschinen developed and supplied an entire system for this that consisted of several individual components.

Apart from a coarse screen, desilter components and a decanter, there are 2 units of type BE 275-60 that form the main element



of the plant as a whole.

Source: BAUER Maschinen Group

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## AAL Bolsters Pacific Expansion Plans with Industry Award Win in Canada

AAL has been named "Best Maritime Cargo Provider 2014" at the 2015 Cargo Logistics Canada Awards of Excellence, held in Vancouver, British Columbia, as part of the Cargo Logistics Canada Expo & Conference last January. The award win follows a sustained 2-year period of investment and development for AAL in the Pacific region, which has seen the establishment of its AAL Pacific Service, overseeing a



*The AAL Singapore new generation multipurpose heavy lift vessel, makes its inaugural call at the Squamish Terminals, British Columbia*

ping and tailor-made tramp solutions for cargo transportation to destinations worldwide.

Testament to AAL's commitment to further expanding its footprint in Canada and across the region, on

*Felix Schoeller, Line manager of AAL's Pacific Liner Service, receiving the «Best Maritime Cargo Provider 2014» award, at the 2015 Cargo Logistics Canada Awards of Excellence, held in Vancouver.*

unique combination of regular liner ship-

the same day that it received its award,

## Custom Engineered Air Compressor for New European Style Vans

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

"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 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), 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



it also celebrated the inaugural call of AAL Singapore, an A-Class 31,000 t dwt, 2<sup>nd</sup> generation multipurpose heavy lift vessel at the Squamish Terminals, British Columbia. The vessel and crew successfully loaded a major consignment of pulp at Squamish Terminals (a deep-water breakbulk terminal located at the north end of Howe Sound - 32 nautical miles (59 km) north of the Port of Vancouver), before continuing its regular North Asia – North America West Coast liner schedule.

"As we celebrate our 20<sup>th</sup> year of operating, we are honored to have been recognised by the CLC Awards of Excellence and remain firmly committed to developing our services across North America and the Pacific. It is an important region for our customers and we are seeing increased growth and demand for our unique offering. In providing both liner and dedicated tramp sailings, we offer customers efficient, trustworthy and highly flexible transportation solutions – wherever and whenever they need them and at the right price," commented Felix Schoeller, line manager of AAL's Pacific Liner Service.

Established in 1995, AAL operates the youngest fleet in the multipurpose heavy lift sector. It comprises of owned vessels, as well as chartered-in tonnage – all specifically designed and equipped to transport heavy lift and project cargoes, traditional breakbulk, earth moving equipment, wind energy and offshore equipment as well as floating cargo such as boats and yachts.

AAL is one of the world's leading global breakbulk, project cargo and heavy lift shipping operators, providing a unique dual tramp and liner service for its customers throughout Asia, Europe and the Americas.

Source: AAL



# Great West Equipment Joins SDLG Dealer Network

The newest edition to SDLG's ever-growing dealer network is Canada's Great West Equipment. Based out of Vernon, British Columbia, the company has 11 locations in British Columbia and Yukon. It will sell SDLG's complete lineup of wheel loaders and fully back the machines, providing extensive product support and service.

Roger Dobie, vice president of sales for the company, said that bringing SDLG to Great West will give customers an alternative to higher-priced, premium wheel loaders, especially when they are in need of a low-production machine.

"For our customers that in the past predominantly bought used loaders, SDLG wheel loaders will be a great option," he said. "They have a great price point and are backed by superb product and service support."

Many of Great West's customers work in agriculture or general construction, among others, and should find SDLG wheel loaders ideal for their applications.

"There's a whole group of customers

out there that don't need to run a wheel loader 24/7/365," Mr. Dobie explained. "But they do need a quality wheel loader that's backed by a great warranty and serviced by a great dealership, and that's where SDLG and Great West can be successful."

Great West stocks a wide range of construction equipment and has a team of well-trained sales and service personnel to back its products, including SDLG's complete lineup of loaders. The company will also offer SDLG's 21<sup>st</sup> Century Product Support, which uses a central parts location to ship parts to customers and dealers often within 24 hours.

Al Quinn, director of SDLG North America, said Great West is a great addition to the SDLG dealer network, especially considering its experience and expertise.

"There are two keys to success for SDLG in North America," he explained. "The first is to have a great wheel loader that's backed by great service and support. The second is to have a dealer network that really knows which customers the machines



are suited for and can then provide them with top-notch support for years to come. With SDLG and Great West joining forces, we're accomplishing both goals."

Source: SDLG North America

# Elgin Sweeper Offers Peterbilt Cab-over Chassis Option for Air and Mechanical Sweepers

Elgin Sweeper recently introduced a medium-duty Peterbilt Model 220 cab-over chassis option for its line of air and mechanical street sweepers. The cab-over Class 6 and 7 chassis features numerous enhancements to performance and operator comfort. Elgin Sweeper showcased a Crosswind regenerative air sweeper mounted on the Peterbilt chassis at the National Pavement Expo that took place January 28-31 in Nashville, Tennessee.

The Peterbilt right-hand steer only chassis is available for Elgin Sweeper's air and mechanical sweepers. A dual-steer version of the Peterbilt chassis option will be available for the company's air and mechanical sweepers later in 2015.

The new Peterbilt 220 chassis is available with a clear frame rail package option that provides up to 25 cm of additional frame rail space, compared to the previous design. This option optimizes the wheelbase for air sweepers, with a usable cab-to-rear-axle clear space of 297 cm, and a



wheelbase of 396 cm. A 307 cm wheelbase is also available for mechanical sweepers. In addition to optimizing chassis space, the new option results in a 40% larger capacity diesel exhaust fluid tank, improved visibility through the rear window and greater ease of serviceability.

The chassis is equipped with a 6.7 l

PACCAR PX-7 engine with up to 260 hp and up to 660 lb ft of torque. The engine delivers superior performance, minimizes operational costs and maximizes uptime. The standard automatic Allison transmission has a push-button shifter for easy engagement.

Source: Peterbilt Motors Company

# New LoadMan LM400 On-Board Truck Computer with Touch Screen and Route Assistant

Creative Microsystems, Inc. recently announced its new LoadMan® LM400 on-board computer for fork-based, commercial refuse trucks. The latest in its LoadMan product line, the LM400 brings a modern touch-screen graphical user interface, superior construction and durability of the in-cab computer. The complete system includes the LoadMan LM400 on-board computer with the Route Assistant application for waste and recycling, LoadMan Load Management back-office software and LoadMan on-board scale technology for accurately weighing loads in motion.

"We continue to listen to our customers and enhance our products based on their needs," said Larry Santi, president of Creative Microsystems, Inc. "Automation, durability and ease-of-use come up time and again as haulers seek to increase productivity and reduce costs.

Significant enhancements with the LoadMan LM400 nearly eliminate the learning curve and automate many processes to free drivers up to focus on driving and their routes. Superior usability, along with the rugged construction translates to less



downtime, fewer replacements and repairs and increased profitability."

The new LM400 color touch-screen display puts intuitive buttons all on one screen eliminating the need to scroll through various screens to find the right

one. Construction of the on-board computer with the LM400 is more rugged than ever, built to withstand rough daily use and extreme temperatures. The 14.5 cm display is easy to read and designed to be readable in sunlight. In addition, scale calibration, formerly a time-consuming task, is easy and can be completed in minutes with the new touch-screen interface.

The LoadMan LM400 with the Route Assistant application takes automation to the next level. GPS coordinate locations are acquired during setup of the LM400, enabling automatic load detection while in route. Previously a manual process, customer locations are captured automatically using GPS geocoding or with an RFID reader and can be tagged with customer name, service type, commodity code, date and time stamp, bin and net vehicle weight, truck number and driver. In addition, a Proximity Mode feature uses geodata to show the driver customer pick-ups within a 91.4 m

## Brokk Introduces New TC120 Tank Cutter Attachment

Brokk Inc. releases the TC120 Tank Cutter attachment. Manufactured by their sister company, Darda, this attachment delivers maximum cutting control and ultimate versatility for continuous steel cutting abilities that are unparalleled in the industry.

The 119 x 43 cm TC120 Tank Cutter can be used with the Brokk 160, 260 and 400 models to deliver extraordinary precision. The TC120 brings flexibility to the jobsite with its hydraulic rotation capabilities and 127 mm-wide jaws. It exerts 68 t of cutting force at 7,250 psi to easily cut through half-inch thick steel plate.

Although this attachment can be used in a variety of applications, such as in salvage yards and balers, it is commonly employed for cutting steel tanks, pipes and vessels.

The most common method of cutting steel, an open-flame torch, poses a fire hazard when cutting into tanks and vessels, and it can raise the risk of exposure to harmful emissions. By using the electric Brokk machine with the TC120 instead, operators reduce the risk of exposure to toxic emissions as well as prevent fires.

"This revolutionary product defines versatility. It combines power, efficiency and, above all, safety," said Mike Martin, Brokk Inc.'s vice president of operations. "Safety is vital. When cutting

tanks, you never know what you'll run into. You don't have to worry about that with the Brokk machine and TC120 combination. Since it's electric, you reduce the risk that comes with cutting into potentially flammable tanks."

In addition to heightened safety, the TC120 improves productivity by continuously cutting steel.

The TC120 attachment also benefits contractors with its extended reach. Brokk machines' remote capabilities, coupled with arms that extend as far as 8.2 m, easily reach places others cannot, improv-



ing efficiency while minimizing labor costs. Because it is attached to a Brokk machine, it reduces the risk of injury to workers by eliminating the need to climb scaffolds and ladders with torches to get to hard-to-reach spaces.

The TC120 is one of many Brokk attachments that can be quickly interchanged for greater versatility on a jobsite. Brokk Inc. supplies a wide range of remote-controlled machinery and attachments, maximizing productivity, improving efficiency and promoting safety.

Source: Brokk Inc.



radius of the truck's position; it is then as simple as the driver confirming the account with a single touch to the screen.

Using LoadMan Load Management software, customers can automatically upload load records to filter, sort and analyze data. Multiple reports can be created easily leading to greater insights, productivity and optimal waste diversion.

The LM400 communicates seamlessly with LoadMan weigh-in-motion scale technologies for the most accurate load readings in the industry. Each scale system comes complete with two patented load cells that are mounted on the lifting equipment; fork and arm inclinometers read the load at multiple points while in-motion. Unlike other scale products, LoadMan load cells can be easily replaced in the field without replacing the entire fork.

Current LM200 or LM300 refuse customers with front-load equipment can easily upgrade to the LM400 with little downtime. Product line feature comparison and detailed product information can be found on the LoadMan website.

Source: Creative Microsystems, Inc.

## Five-Tine Orange Peel Grapple Is a Scrap-Handling Workhorse

With a lifting capacity of 1.33 m<sup>3</sup>, Mack Manufacturing's OPSIHCR-175-5 orange peel grapple is ideally sized for daily use in a wide range of scrap metal and recycling applications.

Engineered for durable service, the grapple's tines are fabricated out of AR400 steel plate and all shafting is 4140 heat treated stress relieved. Oversized pins are provided for long life. All grease fittings are counter-sunk for protection and are easily accessible for servicing. Like all grapples from Mack Manufacturing, the heavy-duty cylinders for this model are completely fabricated in Mack's own machine shop.

The OPSIHCR-175-5 grapple is available with or without rotation, with the crane block ready to connect to any excavator or purpose-built material handler. Choose from a selection of tine designs, all equipped with weld-on replaceable teeth.

This orange-peel grapple opens up to a 295 cm grab and typically weighs 2,450 kg.

Source: Mack Manufacturing



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## Beau-Roc Introduces New Stainless Steel Models for Diamond Dump Body

Beau-Roc has expanded its range of renowned dump truck bodies to include a new line of stainless steel models based on the distinctive Beau-Roc Diamond sidewall.

Beau-Roc recommends its stainless steel dump bodies for municipal truck fleets, where the initial cost of stainless steel readily repays the investment with low maintenance and a longer lifecycle.

Recognized as the industry's quality and innovation leader, Beau-Roc began development and field trials of stainless models over two years ago. According to general manager Nathalie St-Pierre, initial models of the stainless steel body completed extensive testing before the firm announced the new line officially. "With a new design and new manufacturing techniques, we wanted to make sure we got it right to pay off for our customers' investment. These stainless steel bodies have a name to live up to, and they will."

Ms. St-Pierre said Beau-Roc stainless steel dump truck bodies will be offered in a choice of SS201 steel, for high tensile strength or SS304 steel for superior rust resistance. Both models are produced with a Hardox 450 steel floor and the industry-preferred 2B finish. A "hybrid" model is also available, utilizing more Hardox steel in high-wear areas.



All standard models come in a 1-piece clean-side design, seamless from top rail to rub rail with continuous welding throughout. The distinctive diamond profile, with its folded side panel, adds rigidity without compromising the ability of the sidewall to respond to load stresses as one large plate.

Body lengths from 2.60 m to 5.33 m are available as standard. By utilizing its highly integrated engineering and manufacturing technology, Beau-Roc can also offer a wide range of customization options with competitive costs and delivery times.

Source: Les Ateliers Beau-Roc Inc.

## IMT Expands Lineup of Hydraulic Loaders

Iowa Mold Tooling Co., Inc. (IMT) is pleased to announce the addition of the IMT 28562 hydraulic loader to its lineup of hydraulic loaders. The new IMT 28562 loader offers customers another option for efficient handling of palletized materials in the building supply and construction industries.

The IMT 28562 hydraulic loader features the highest rating in the IMT lineup at 22.3 tm. It has a maximum lift capacity of 2,585 kg, up to 19 m of horizontal reach and a maximum vertical reach of 21.8 m. The loader is capable of lifting 1,089 kg at its maximum horizontal reach.

A 6.7 m hydraulic out-and-down stabilizer span provides customers with excellent stability for loading and unloading palletized goods, while a high lift-to-weight ratio allows for maximum payload on the truck.

The IMT 28562 loader includes a standard rated capacity limiter (RCL 5300) system, which blocks load-increasing functions when full capacity is reached. The loader's standard radio remote control comes equipped with an information

center that provides continuous feedback on load moment and operation conditions.

"At IMT, we're committed to helping our customers become more productive," said John Field, IMT product manager of material handling. "The IMT 28562 hydraulic loader has the strength, reach and precision maneuverability our customers need to quickly load and unload building materials."

Additional features of the new IMT 28562 loader include a 420° rack and pinion rotation, a rotation system that operates in a continuous oil bath to reduce friction and enhance life, a standard oil cooler to extend hydraulic system longevity, and a counterbalance valve on each cylinder to stop motion in case of a hose failure.

The complete lineup of IMT hydraulic loaders also includes the 16000 and 24562



models.

The IMT 16000 loader features a maximum capacity of 2,642 kg, up to 12.8 m of horizontal reach and a maximum vertical reach of 16.5 m. The IMT 16000 loader offers A-Frame stabilizers and top seat controls with optional radio remote control.

The IMT 24562 loader features a maximum lift capacity of 2,270 kg, up to 19 m of horizontal reach and a maximum vertical reach of 21.8 m. The loader offers standard radio remote control with the information center, with manual backup controls from the top seat.

Source: Iowa Mold Tooling Co., Inc.,



# Mack® mDRIVE™ HD Available and Standard in the Mack Granite® and Titan by Mack®

As further evidence of Mack's commitment to application excellence, Mack Trucks unveiled a heavy-duty version of its game-changing Mack® mDRIVE™ automated manual transmission. The mDRIVE HD is available as standard equipment on orders as of March in the rugged Mack Granite® model, offering improved performance for demanding on- and off-road applications.

Mack made the announcement during World of Concrete 2015 that was held February 3-6, in Las Vegas.

The mDRIVE HD is designed and engineered to work exclusively with Mack MP7® and Mack MP8® engines. The 12-speed

mDRIVE HD has an automated clutch, so no clutch pedal is required. Operation of the transmission is controlled through a dash-mounted shift pad by selecting drive,

neutral or reverse. For more demanding jobsite maneuvers, the premium shift pad can be operated manually to hold a gear, downshift or upshift.

Adding to its increasing lineup of models featuring the highly fuel-efficient Mack® mDRIVE™ automated manual transmission, Mack Trucks announced during the

## Mack to Offer GuardDog® Connect Uptime Support for Concrete Pumpers

Mack Trucks now offers Mack® GuardDog® Connect, its integrated telematics solution, as standard equipment on Mack TerraPro® concrete pumper models ordered as of April, making it the first such proactive support service available in the trucking industry for pumper applications. Included in Mack's concrete pumper solution is specialized body builder support.

Designed to maximize uptime by streamlining service needs, Mack's concrete pumper support combines the expertise of Mack OneCall™, Mack's 24/7 customer support service agents, and technical and dealership experts with specialized body builder knowledge. The result is a simplified network of focused customer support, minimizing potential customer downtime.

"This is just another example of how we at Mack remain committed to Uptime," said Stephen Roy, president of Mack North American Sales and Marketing. "As soon as a critical fault code is detected, the body builder support team is on the case, making the communication proactive, seamless and comprehensive."

GuardDog Connect enables quick diagnosis of issues, proactive scheduling for repairs and confirmation that needed parts are in stock and ready to install, all while the truck is still on the job.

Combined with the support of the Mack OneCall agents, dealership personnel and tech and body builder support, Mack's comprehensive concrete pumper support program is unmatched in the industry. Once an issue is detected, a case is automatically opened in Mack ASIST, Mack's web-based fleet service management platform, the owner or fleet service manager is contacted and the repair planning process begins through a customer-chosen dealer. ASIST ensures timely information sharing, communication and tracking of a service event among the customer, dealer and support staff.

Source: Mack Trucks, Inc.



National Heavy Equipment Show, held March 4-5 in Toronto, that the mDRIVE HD is now available and standard in the Titan by Mack model.

The mDRIVE HD offers improved performance for demanding on- and off-road applications. The mDRIVE HD in the Titan is compatible up to 2,060 lb ft of torque, 515 to 605 hp and integrates seamlessly with the powerful Mack MP10® engine. Featuring specialized heavy-haul software for GCWs heavier than 63,500 kg, the mDRIVE HD in the Titan easily manages applications such as logging, lowboy and oversized hauling.

Source: Mack Trucks, Inc.

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# Appointments

**ROXUL Inc.** is pleased to announce the appointment of **Jason Burns** to the newly created role of vice president Supply Chain.

Reporting directly to the president, Mr. Burns will be responsible for logistics, production planning, customer service and warehouse activities for the North American operations. As an integral part of the North American management team, Mr. Burns will be involved in helping set the strategic direction for the company.

Jason Burns comes to ROXUL from PepsiCo Beverages Canada, where he managed a complex network of production facilities in Canada and the U.S.

Source: ROXUL Inc.



**Strata Systems, Inc.**, a global manufacturer of soil reinforcement products, is pleased to announce the appointment of Phil McGoldrick as its International sales manager. Mr. McGoldrick will focus on the growth of Strata's business in Europe, India, the Middle East, and South America.

McGoldrick was born and raised in Scotland and currently lives in Dublin, Ireland. He has an extensive and successful background in the field of geosynthetics, and is considered an expert in this field. More importantly, he combines a deep technical skill set, as a registered engineer, with a keen sales and business acumen on an international platform. He has a BSc (hons) Civil/Geotechnical Engineering from Dundee University, with a 27-year focus on geosynthetics. He has worked for companies including Exxon Chemicals, Polyfelt, Tenax, and maintained a seven-year position as Tensar's Asia Pacific regional manager where he was based in Jakarta. Most recently, he managed CETCO Contracting services in Europe and the Middle East.

His particular experience relevant to this new position is his expertise with reinforcement of retaining walls, steep slopes, and embankments over soft subgrades in markets such as mining, environmental sites (landfills), railroads, ports and public transportation projects.

Source: Strata Systems, Inc.



**Andy Studdert**, chairman & CEO of U.S.-based NES Rentals, was elected as the new president of the **International Powered Access Federation (IPAF)** at the IPAF annual general meeting (AGM) on March 26, 2015 in Washington, DC. He succeeds Steve Couling, managing director of the IAPS Group.

Nick Selley, group business development of AFI-Uplift, was elected deputy president, and Brad Boehler, president of Skyjack, was elected vice president of IPAF.

The strength and stability of the Federation was highlighted in its annual results presented at the AGM by outgoing IPAF president Steve Couling and IPAF CEO Tim Whiteman.

Andy Studdert is a firm champion of safety in the access industry. He has been the CEO of NES Rentals for the past 11 years, where he instilled a stringent safety culture based on repeatable processes, a culture of intervention and crisis preparation. Almost all the NES Rentals management and staff hold an IPAF PAL Card (Powered Access Licence) as proof of training, including the CEO.

Source: International Powered Access Federation (IPAF)



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# Agenda



**INTERMAT Paris**  
 April 20 - 25, 2015  
 Paris, France

**ISRI 2015 Convention and Exposition**  
 April 21 - 25, 2015  
 Vancouver, BC Canada

**The Federation's Solid Waste & Recycling Conference & Trade Show**  
 May 3 - 6, 2015  
 Bolton Landing, NY USA

**APOM technical day**  
 May 8, 2015  
 Warwick, QC Canada

**Canadian Institute of Mining, Metallurgy and Petroleum CIM Expo**  
 May 10 - 12, 2015  
 Montreal, QC Canada

**Waste Expo 2015**  
 June 2 - 4, 2015  
 Las Vegas, NV USA

**AORS Municipal Public Works Trade Show**  
 June 3 - 4, 2015  
 Exeter, ON Canada

**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

**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

**IMEX America 2015**  
 October 13 - 15, 2015  
 Las Vegas, NV USA

**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

**Waste & Recycling Expo Canada / Public Works 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

**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  
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**CONEXPO-CON/AGG 2017**  
 March 7 - 11, 2017  
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