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Volume 19 • Number 9 • October 2014 • *English Edition*



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**Volume 19 Number 9
October 2014**

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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, if you're a bit cynical then you probably think we're in for a long slow cool down and dreary winter. Colors are already turning and snow has been seen by some of you, so the cynics may be right.

It certainly turns up the pressure to get those jobs that are behind back on track, and those that are pending to get sorted out before the snow flies.

For the winter contractors, a long winter is a bonus after years of mild ones. For the rest of us it is a curse, particularly the extended stretches of very cold temps.

All the more reasons to have an excuse to get in the warm with a hot drink. What better opportunity than to grab your number one industry read, InfraStructures. We'll warm the cockles of your heart with stories from your backyard, news and events coverage brought to you the way no other publication can.

Whether you're in the Arctic or Atlantic, Point Pelee or the Pacific, we'll keep you informed and entertained during those much needed breaks.

Happy Thanksgiving!

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On the cover: Caterpillar put the first 826 landfill compactor to work in 1978.

The introduction of the K Series model brings advances in terms of operator comfort and safety, ease of operation, durability, reliability, low-cost operation, and productivity.

TALLMAN TRUCK CENTRE ACQUIRES WOODBINE TRUCK CENTRE

Tallman Truck Centre Limited is pleased to announce the acquisition of Woodbine Truck Centre Ltd., effective September 1st, 2014. Woodbine Truck Centre has been an International Truck Dealership since 1969. In addition, Woodbine is also the Kalmar Ottawa Shunt Tractor distributor for Ontario.

"This acquisition is consistent with

our strategy to grow and expand our dealership service capability throughout the Greater Toronto Area (GTA). We now have 9 full service dealerships in Ontario, 3 of which are located in the GTA" says Kevin G. Tallman, president of Tallman Truck Centre. "We are very excited of the addition of the Markham location and we also look forward to representing Kalmar Ottawa Shunt Tractors in Ontario."

In addition, Tallman Truck Centre would

like to take this opportunity to introduce William Galante as the general manager of Tallman Truck Centre – Markham. Mr. William has over 30 years of experience in the Full Service Lease and Fleet Management Industry, having held management positions with both PHH Arval and Ryder.

"We would also like to welcome all of the Woodbine employees to the Tallman Family and we look forward to providing the best customer service to all of Woodbine's customers," adds Kevin Tallman.

Woodbine Truck Centre will be re-branded as Tallman Truck Centre – Markham and is located on Woodbine Avenue in Markham.

Source: Tallman Truck Centre Limited

COMMERCIAL SPECIALTY TRUCK HOLDINGS ACQUIRES CONTINENTAL MANUFACTURING COMPANY

Commercial Specialty Truck Holdings, LLC recently announced that it has acquired the assets of Continental Manufacturing Company, Inc. Also owner of refuse body manufacturer, EZ-Pack Refuse Hauling Solutions, LLC, Specialty Truck Holdings will operate the new business as Continental Mixer Solutions, LLC.

Continental has been a leader in the ready-mix industry since 1982 and offers a wide range of well-known rear discharge products including the Bridge Saver and Express models.

Both EZ-Pack and Continental share a history of innovation and a commitment to offering customer-oriented solutions. With manufacturing operations in Houston, Texas, and Cynthiana, Kentucky, Specialty Truck Holdings will expand product offerings, manufacturing capacity, and its distribution network. The combined companies will offer customers additional options and unparalleled access to technologies across both market segments.

Specialty Truck Holdings also announced that two experienced industry leaders, Frank Busicchia and Matthew Walter, are joining its management team – a growing and dynamic group that is focused on future growth.

Frank Busicchia has been named president of Continental Mixer Solutions, LLC. Frank has more than 20 years of experience in the Ready-Mix industry, both domestically and internationally. "I'm excited to work with an organization that is focused on the customer - not just at the



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point of sale, but throughout the product's life cycle with aftermarket service and support," said Mr. Busicchia. "We will continue to support customers with a strong manufacturing base in Houston, as well as with expanded capacity in Cynthiana," he added.

Matthew Walter, who has been named president of EZ-Pack Refuse Hauling Solutions, LLC, has worked with bodies and chassis for more than 15 years. "CNG power is becoming a driving force in transportation," explained Mr. Walter, "EZ-Pack has lead the way in integrated CNG solutions, and I am excited to be a part of the team and expand our capabilities in distribution, aftermarket parts, and service."

Source: Commercial Specialty Truck Holdings, LLC

PURE TECHNOLOGIES ACQUIRES OIL AND GAS PIPELINE INSPECTION SERVICES BUSINESS

Pure Technologies Ltd. announced recently that it has entered into a definitive agreement to acquire the oil and gas pipeline inspection services business and related assets of Hunter McDonnell Pipeline Services, Inc. and its affiliated companies for consideration of \$8 million, consisting of \$6 million in cash and \$2 million in common shares of Pure, issuable in equal tranches on each of the first, second and third anniversaries of the closing date of the transaction. Closing of the transaction is expected to occur early in the third quarter of 2014. For the financial year ended March 31, 2014, Hunter McDonnell generated revenue more than \$10 million.

Since 2011, Hunter McDonnell has provided tracking services on Pure's SmartBall technology inspections for the company's North American oil pipeline clients. In August of 2013, Pure and Hunter McDonnell entered into a partnership agreement whereby Pure trained Hunter McDonnell staff to deploy the SmartBall technology in oil pipelines within North America.

Source: Pure Technologies Ltd.

STUART OLSON ANNOUNCES SALE OF BRODA CONSTRUCTION

Stuart Olson Inc. announced recently that it has completed the sale of Broda Construction Inc. to TriWest Capital Partners and senior management of Broda for gross cash proceeds of \$39 million. Broda

is a heavy construction company specializing in aggregate processing, earthwork, civil construction, and concrete production. Stuart Olson acquired Broda in 2010.

"The divestiture of Broda is the result of a strategic review undertaken to assess our assets and their utilization in the context of our broader business strategy going forward. The proceeds from the sale of Broda will allow us to strengthen our balance sheet and increase our financial flexibility

to fund growth initiatives more closely aligned with our strategy of becoming a fully integrated construction company," said David LeMay, president and CEO of Stuart Olson.

Source: Stuart Olson Inc.

TRUXPO 2014 SEES RECORD-BREAKING ATTENDANCE

A mix of industry professionals totaling 10,362 gathered at TRADEX in Abbots-

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ford, British Columbia, September 19-20, 2014 for TRUXPO, Western Canada's largest commercial trucking show. Held biennially, TRUXPO is THE event where industry meets to source and compare new products and see the latest in commercial truck and transportation equipment and services.

"This year's show was an unquestionable success," said Mark Cusack, National Show Manager. "Traffic was steady throughout the two-day event and attendance surpassed our expectations. Exhibitor feedback about the quantity and quality of visitors has been overwhelmingly positive. And we were thrilled that members of the Indo-Canadian community came out in especially high numbers in support of their industry."

"The success of this year's edition would not have been possible without a strong

relationship with our presenting partner, the British Columbia Trucking Association (BCTA)," he added.

"BCTA has always been proud of our affiliation with TRUXPO, but the 2014 show amply demonstrated that partnering with Master Promotions Ltd. was a wise choice," said Louise Yako, president & CEO, BCTA. "The additional events and promotional activities provided great value to the show's exhibitors and visitors alike. It was energizing to be at TRUXPO to see so many industry people enjoying the show, being exposed to and learning about new technologies, equipment and opportunities, as well as having the chance to re-connect with old friends and make new acquaintances. Participation in the show demonstrated the strength of the industry and the fact that the future is very bright."

Source: Master Promotions Ltd.

Tallman Truck Centre Delivers First Autocar ACX Xpeditor to Tomlinson Environmental

Tomlinson Environmental, the provider of sustainable recycling and disposal solutions for Eastern Ontario's commercial, construction and residential customers headquartered in Ottawa, has purchased an Autocar ACX Xpeditor refuse truck from Tallman Truck Centre. The Autocar Xpeditor is designed for the refuse market with proven performance, a fuel efficient Cummins engine, and excellent visibility and drivability.

"We are introducing the Autocar Xpeditor to our fleet of refuse trucks to continue to meet and exceed our customers' expectations," says John

Foley, general manager of Tomlinson Environmental. "We chose the Autocar Xpeditor for overall low cost of ownership and because of our long-standing relationship with Tallman Truck Centre."

"As a long-term customer of the dealership, the Autocar Xpeditor was an easy solution to Tomlinson Environmental's needs in the refuse market," says Jocelyn Romain, sales manager at Tallman Truck Centre. "We are thrilled that our first Autocar delivery is with Tomlinson Environmental. The Tomlinson Group of Companies is one of the most respected companies in the industry, and to have them purchase an Autocar is a big vote of confidence for Tallman Truck Centre, as well as Autocar," adds Kevin Tallman, president of Tallman Truck Centre Limited.

Source: Tallman Truck Centre Limited



ALL ERECTION & CRANE RENTAL ANNOUNCES MAJOR MANAC TRAILER PURCHASE

ALL Erection & Crane Rental Corp. has added 108 new Manac specialty trailers to its fleet, a significant acquisition that broadens the company's ability to offer complete door-to-door crane service. Of the 108 total specialty trailers, 104 feature galvanized steel decks for reduced maintenance and resistance to chips, scratches and wear, particularly corrosion caused by road salt and brine.

"We'll see a great return on our investment in galvanized steel trailers," said John Bacci, logistics director, ALL Family of Companies. "Over the life of a trailer, we can do a lot in our shops to extend the life of our fleet – rebuild breaks, wooden decks, electric lines, etc. But we won't have to completely rebuild these new, galvanized units because they are just that much more durable."

The company estimates these trailers will remain a vital part of its fleet for three times longer than regular painted trailers. "That's a significant life-cycle upgrade," said Mr. Bacci. "This durability will make a positive impact for our northern branches that endure brutal winters, but also for branches in the Gulf region, where ocean air can really corrode metal."

"Manac Inc. makes a great product, and we are satisfied with their service," said Michael Liptak, ALL Erection & Crane Rental president. "They know us well and apply that knowledge to customize the units for us."

ALL offers its own fleet of trucks and trailers for transporting cranes so customers' projects stay on schedule. This capability is part of ALL's complete service model that includes lift planning, logistics, transport and heavy hauling, the industry's best-trained operators, disassembly, and 24/7 service from ALL yards strategically located throughout North America.

Source: ALL Family of Companies

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Canadian Student Wins 2014 Stockholm Junior Water Prize

Hayley Todesco from Calgary, Alberta, received the 2014 Stockholm Junior Water Prize for inventing a method that uses sand filters to treat oil contaminated water and recover water for reuse. H.R.H. Crown Princess Victoria of Sweden presented the prize at an award ceremony during the Stockholm International Water Institute (SIWI), World Water Week in Stockholm on September 3rd, 2014.

The winning entry is a new application of an old water treatment technology that dates back to 1804. Sand filters have traditionally been used to treat drinking water, but Hayley Todesco instead used slow sand filters on contaminated water in oil sands tailing ponds. The method proved to treat wastewater at a faster rate than typical processes, as the sand filters grow bacteria that effectively break down toxic waste.

"This year's winning project addresses a neglected but pressing environmental issue. The entry displays genuine outside the box thinking. Hundreds of hours of self-driven effort achieved a project that excelled in all judging criteria," said the Jury in its citation.

"By happy coincidence the topic is on the cutting edge of the water-energy nexus. Tailings from tar sands pose a serious and growing environmental problem. Slow sand filters may date back to the 19th century, but the winner proved them applicable to 21st century problems," the Jury concluded.

"I am shocked but so grateful. I got the idea of using sand filters from a pen pal in Namibia two years ago, and started testing them on wastewater in a tank at home. Now I have just started studying to become a microbiologist and I hope to spend a great deal of time in the lab to continue developing the method," said Hayley Todesco upon winning the prize.

The international Stockholm Junior Water Prize competition brings together the world's brightest young scientists to encourage their continued interest in water and the environment. This year, thousands of participants in countries all over the globe joined national competitions for the chance to represent their nation at the international final held during the World Water Week in Stockholm. Teams from 29 countries competed in the 2014 finals.



DIPLOMA OF EXCELLENCE TO STUDENTS FROM THAILAND

A Diploma of Excellence was awarded to students Orawan Thasanabenjakul, Panawat Peanjad and Natthanicha Jairungs from Thailand, for transforming wastewater generated during the production of raw natural rubber sheets to a valuable bio-plastic.

"The students created a new useful, environmentally friendly product from something previously regarded as waste. The project has the potential to help improve the quality of life for many people and solve an important water-related environmental problem," said the Jury in its citation.

The Stockholm Junior Water Prize competition is open to young people between the age of 15 and 20 who have conducted water-related projects at local, regional, national or global levels on topics of environmental, scientific, social and/or technological importance. The aim of the competition is to increase awareness, interest and knowledge of water and the environment. As of this year the board of SIWI has decided to increase the prize sum to the winners and also to institute a new prize. The international winner will from now on receive a US\$15,000 award and a prize sculpture, the winner's school receives US\$5,000 (new category) and the winner of the Diploma of Excellence US\$3,000. SIWI manages the competition.

H.R.H. Crown Princess Victoria of Sweden is the Patron of the Stockholm Junior Water Prize and Xylem Inc. is the global sponsor. SAS & Coca-Cola Environment Foundation is the official supporter of the prize. Official suppliers are People Travel Group and Europcar.

Hosted and organized by SIWI, World Water Week in Stockholm is the leading annual global event for addressing the planet's water and development issues. Leaders and experts from the world's scientific, business, government and civic communities convene in Stockholm to exchange views, experiences and shape joint solutions to global water challenges.

The Stockholm International Water Institute (SIWI) is a policy institute that generates knowledge and informs decision-makers towards water wise policy and sustainable development. SIWI performs research, builds institutional capacity and provides advisory services in five thematic areas: water governance, transboundary water management, water and climate change, the water-energy-food nexus, and water economics.

World Water Week is the leading annual meeting place for water and development issues. It hosts the Stockholm Water Prize, the Stockholm Junior Water Prize and the Stockholm Industry Water Award.

Source: Stockholm International Water Institute



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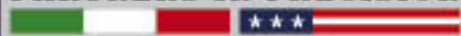
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Bauer Realizes Remediation at Center Hill Dam

BAUER Foundation Corp., local subsidiary of BAUER Spezialtiefbau GmbH, took responsibility of an extremely challenging dam remediation from spring 2013 on. The Center Hill Dam near Smithville, Tennessee, was built in 1948 as a means of river control and for production of energy. Ever growing damage on the sides, rock erosion and caverns are destabilizing the entire system and leading to water loss. The United States Army Corps of Engineers (USACE), Nashville District, contracted Bauer to construct a cut-off wall in a project worth over \$120 million (US\$108 million). This is the biggest single order the BAUER Group has ever had.

The first step was to expand the dam crest, to create room and stability for the large pieces of equipment. The first step in the construction work is to execute a foundation barrier wall in the earthen base of the dam. The construction is up to 100 m deep, socketed into rock 30 to 50 m. The entire wall is 280 m long.

The project is extremely demanding. Verticality of the highest precision is



required – for a diaphragm wall panel or a bored pile, deviation of only 25 cm is allowed at the depth of 100 m. The supplier of concrete has erected a concrete factory close to the construction site for the 60,000 m³ of concrete, required for the project. The logistics of the construction site are also a big challenge due to the limited space.

The project is being executed with the BAUER Maschinen GmbH equipment with the biggest performance capacity, in parts specifically modified or even constructed to fit the purpose. Operating next to one BC 50 trench cutter – panel size 3.20 x

2.25 m – mounted on a heavy cycle crane MC 128 are one diaphragm wall grab on a MC 96 and a BG 50 rotary drilling rig with a 100 m long kelly. A new method of cut-off wall construction is used for the first time, executed with a Wassara-water-hammer on a Klemm KR 806 drilling rig.

The entire process is computer monitored. About 220 employees work round the clock in three shifts. The project is to be completed in the spring of 2015. The preliminary work alone – mobilization and site set-up – took one whole year.

Source: BAUER Spezialtiefbau GmbH

New Hydrodemolition Tool

Aquajet Systems AB has introduced a new accessory for faster concrete surface preparation and shallow concrete removal on roads, bridges, airports, harbors, sewage pipes, water reservoirs and dams, etc.

The Rotolance 2500 provides a cost-effective, fast and environmentally safe process for applications that successfully compete with all other tools used for this application.

The mechanism of material removal by waterjets makes more controllable roughness, creates a better bonding surface, and can be easily adapted for any specific application.

The Rotolance 2500 is an ultra high water pressure tool (uhp) and is considerably faster than conventional manual methods of concrete preparation and removal. It also provides considerable labor costs savings.

Possible operator injuries, including “white finger” – caused by hand-held manually operated equipment – is also

eliminated with the vibration-free tool.

Dust pollution is also eliminated.

The new tool provides the same constant performance 24 hours/day and can be fitted to all Aqua Cutter robotic equipment.

Featuring a 350 mm working diameter and a recommended water pressure of 1100 - 2500 bar, the traverse and working widths of the Rotolance 1250 are guided on the Aqua Cutter robot and monitored by the on-board control system.

All parameters, controlling speeds and traverse movements are gradually adjustable from the control panel on the robotic unit for maximum utilization of the tool.

The unit's spray bar can be equipped with up to 20 nozzles. Its hydraulically-driven roller base features 4 wheels and a pinion traverse drive for ease of mobility.

The hydraulic package incorporates quick connections and a coated steel protection splash cover with a replaceable guard mounted over the swivel beam.

The Rotolance 2500 will operate and



clean on almost any surface. Other applications include paint removal from steel and concrete, plastic and rubber removal, rust removal from, for example, ship hulls or steel storage tanks, and other industrial applications requiring a robotic high pressure tool such as road marking removal and industrial services in the petro chemical industry.

Source: Aquajet Systems AB

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Sustainable Construction Awards Showcase Resource Efficiency and Innovation

Architects Nader Tehrani and Katherine Faulkner of NADAAA in Boston, Massachusetts, received an Acknowledgement prize for the renovation and extension of the University of Toronto's John H Daniels building, a culturally significant 19th century structure in the center of Toronto, Ontario.

The Holcim Awards competition also seeks visions and bold ideas in the "Next Generation" category. The jury decided to confer an unprecedented 6 prizes in recognition of the outstanding quality of submissions from across North America. In the category of "Next Generation" prizes, Jonathan Enns from Toronto received an Award for an interlocking panelized timber building system.

The prize-giving ceremony hosted at Evergreen Brick Works in Toronto – a Holcim Awards prize winning project in 2008 – included the launch of Community-inspired housing in Canada, a book that illustrates the success of a former Holcim Awards winner and the evolution of how communities are designed and built.

A total of 13 projects from across Canada and the United States by leading practitioners, as well as young professionals and students, were recognized at the Holcim Awards ceremony 2014 for North America with total prize money of US\$330,000. A jury of international experts led by Toshiko Mori selected the winners using the "target issues" for sustainable construction that consider environmental, social and economic performance - while also highlighting the need for architectural excellence and a high degree of transferability.

INFRASTRUCTURE AS ARCHITECTURE: GOLD FOR WATER SUPPLY AND FLOOD MITIGATION INFRASTRUCTURE

Poreform, a water absorptive surface and subterranean basin that captures rain runoff and adds over 75,000 MI (20 billion gallons) to the water supply capacity of Las Vegas won the top prize. Designers Amy Mielke and Caitlin Taylor of Water Pore Partnership (U.S.) reposition water infrastructure as a civic project. Capable of rapid saturation and slow release, the

flood-control pores of this "urban skin" are inlets to a new infrastructure that reframes water as a valuable resource rather than a liability.

At the prize handover event in Toronto, jury member Mark Jarzombek praised the Holcim Awards Gold winning project for developing infrastructure as an architectural undertaking that is reclaimed as a truly public matter of concern, balancing social and design imperatives. "While designed for a specific site, the project offers a welcome answer to the general problem of water scarcity - a straightforward, but nonetheless beautiful proposition for a global challenge," he said.

PROTECTIVE RIBBON: SILVER FOR URBAN FLOOD-PROTECTION INFRASTRUCTURE

The BIG U project that addresses New York City's vulnerability to coastal flooding by using a raised berm and sequence of public spaces along the water's edge won the Holcim Awards Silver. The 13 km long infrastructural barrier to mitigate the impact of future storms with the devastating force of Hurricane Sandy was designed by a consortium led by architects Bjarke Ingels and Kai-Uwe Bergmann of BIG - Bjarke Ingels Group (Denmark/U.S.). The jury acknowledged the project's sensitive blend of hard infrastructure and local community needs.



Prize winning project "Heritage Reframed: University building renovation and extension" (University of Toronto) rendering. The complete site restores the architecture, landscape and urban design within the round of Spadina Crescent. The east façade and green space frame a plaza oriented towards the University of Toronto Campus. (CNW Group/Holcim Canada Inc.)



"Timber-Link: Interlocking panelized timber building system" Next Generation prize-winning project entry rendering for Cape Dorset, Nunavut, located high in the Canadian North from Jonathan Enns, Enns Design/solidoperations, Canada (CNW Group/Holcim Canada Inc.)

TOWERING BIOTECHNOLOGY: BRONZE FOR A ZERO-CARBON COMPOSTABLE STRUCTURE

A cluster of circular towers formed using reflective bricks, designed for and commissioned by the MoMA PS1 Young Architects Program for construction in New York City received the Holcim Awards Bronze. The structure by David Benjamin of The Living architecture lab (U.S.) uses recent advances in biotechnology combined with cutting-edge computation and engineering to create new building materials that are almost fully organically-grown and compostable. The jury applauded the investigatory nature of the project, both in terms of its objective to research innovative construction materials and their architectural potential using organic bricks, made of a combination of corn stalks and fungal organisms.

ACKNOWLEDGEMENT PRIZES FOR PROJECTS IN TORONTO, SEATTLE, BOSTON AND LOS ANGELES

In addition to the Toronto project, further Acknowledgement prizes went to a public park and interactive wall for urban revival in Seattle by Paris-based ABF-lab architects whose master plan reintroduces a forest in the heart of the city; to Sheila Kennedy and J Frano Violich of Kennedy & Violich Architecture of Boston for the Chrysanthemum Building, an affordable residential urban infill development in Boston; and to Peter and Hadley Arnold of the Arid Lands Institute, Woodbury University for Divining LA, a digital tool for urban design and water-use planning in Los Angeles.

"NEXT GENERATION" PRIZES FOR YOUNG PROFESSIONALS AND STUDENTS

The "Next Generation" 1st prize went to Debbie Chen (U.S.) for a municipal center for harvesting utility from waste in New York City. The jury greatly appreciated the idea to conceive a new type of urban infrastructure that offers an answer to the problematic interplay of material flows in urban environments.

The "Next Generation" 2nd prize was presented to Kenya Endo of Atelier Dreiseitl Asia (Singapore) for a proposal to utilize former coal mining sites for hydro-pump electricity storage in Greene County, Pennsylvania. The 3rd prize was awarded to Beomki Lee, Suk Lee and Daeho Lee, students at the Massachusetts Institute of Technology (MIT), for an air purification wall that transforms carbon dioxide into oxygen and explores the possibilities of bio-mimicry. Additional "Next Generation" prizes were awarded to a group of students led by Mark Turibius Jongman-Sereno, Harvard University for an adaptive reuse of a parking structure for cultural activities in San Francisco; and Namjoo Kim at MIT for a new construction method for creating thin concrete panels.

Holcim Awards submissions for projects in North America were evaluated by an independent jury hosted by the MIT and included: Toshiko Mori (Head of jury,



Heritage Reframed: University building renovation and extension prize winners Katherine Faulkner and Nader Tehrani, NADAAA Architects, alongside Baudoin Nizet, CEO Holcim Canada, Dean Richard Sommer, John H Daniels Faculty of Architecture, Landscape and Design, University of Toronto and jury member Lola Sheppard, Lateral Office (CNW Group/Holcim Canada Inc.)

U.S.), Marc Angélil (Switzerland), Alain Bourguignon (United Kingdom), Dana Cuff (U.S.), Guillaume Habert (Switzerland), Mark Jarzombek (U.S.), Jeffrey Laberge (Canada), Lola Sheppard (Canada), and Sarah Whiting (U.S.).

LEARNING FROM BENNY FARM IN MONTREAL

A new book published by the Holcim Foundation examines two progressive and influential projects by Montreal-based architect Daniel Pearl and his team from l'OEUF and was launched at the Awards ceremony in Toronto. The approach to changing the way communities are designed and built tracks progress on the redevelopment of Benny Farm, the first ever Global Holcim Awards Bronze winner from 2006, a follow-up project at Rosemont, and plans for the forthcoming Bois Ellen Cooperative Residence. The projects include major innovations with respect to building envelope, energy efficiency, thermal comfort, and interior air quality that are rarely seen in this depth at this scale for affordable housing.

The Holcim Awards for Sustainable Construction competition seeks innovative, future-oriented and tangible construction projects to promote sustainable responses

to the technological, environmental, socioeconomic and cultural issues affecting building and construction on a local, regional and global level. The competition has been run by the Swiss-based Holcim Foundation since 2004, and offers US\$2 million in prize money per three-year cycle.

The ceremony in Toronto for the competition region North America followed the first presentation of winners in Moscow (for Europe). Further events will be held in Medellín (for Latin America), Beirut (for Africa Middle East) and Jakarta (for Asia Pacific). The projects that receive Holcim Awards Gold, Silver and Bronze in each region automatically qualify for the Global Holcim Awards 2015.

The Holcim Foundation is supported by Holcim Ltd and its Group companies in around 70 countries and is independent of its commercial interests. Holcim is represented in North America by Aggregate Industries US, Holcim Canada and Holcim US.

Source: Holcim (Canada) Inc.

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Shaving Off Time at Tembec Sawmill

Tembec is producing more than 10.6 million m² of timber a year – with Volvo Construction Equipment “chipping” in to help.

Cochrane is now a bustling town in northern Ontario, just northeast of the local city of Timmins. The trappers may have long gone but you still need to be of a hardy disposition to live in Cochrane. Plenty of snow falls in the winter when temperatures often dip to -40°C.

Despite the major forestry market downturn over the past few years, timber remains an extremely important sector of the Canadian economy, which thankfully is once again on solid footing. Among the leaders in the industry is Tembec that is not only a manufacturer of forest products – lumber, pulp, paper and cellulose but also a global leader in sustainable forestry.

Established in Canada in 1972, the company has facilities in both North America and France and employs 3,500 people. The company manages nearly 10 million ha of Canadian forestlands. Its Cochrane sawmill opened in 1976 employs 120 people, making it an important contributor to the local community in the region. Working two shifts a day, six days a week, the mill is currently producing about 10.6 million m² of lumber annually.

The timber is shipped to markets across North America for use mostly in the construction and building industries. Even the

‘waste’ material is used to good effect – the refined wood pulp and sawdust is used as a strengthening agent to make paint, cosmetics and plastics – even dairy products.

PLANNED REPLACEMENT

To keep Tembec’s saw mill productive and profitable it began to replace its aging fleet of six wheel loaders.

“Over the years we have experienced many different brands of wheel loaders,” says Paulo Gignac, senior manager at Tembec. “We knew there were several brands available so thought the best place to start was in our own mill yard where a Clark Michigan wheel loader had clocked over 160,000 hrs. The brand name Clark Michigan was changed to Michigan with the creation of the VME Group in 1985 – so to us, it was Volvo.”

“Keeping machines fully operational in a demanding lumber mill, in harsh climatic conditions, is not easy,” says Tembec’s head mechanic,

Serge Thomas. “The secret is maintenance, which is easy on Volvo machines because of their accessibility. We clean



and change the machine’s air filters every week, blow the radiators clean as often as is necessary and change the engine oil

Tesab at Hillhead

On the Tesab stand at Hillhead, held last June in Buxton, England, visitors were able to see the well proven Tesab 623CT compact impact crusher, now fitted with a Caterpillar 7.1 I Tier 4 Interim engine and Transfluid 311 HFR clutch.

Also at Hillhead, Tesab launched its new Trackstack 8542TBF, a tracked stockpile conveyor with a belt feed hopper design capable of high tonnages. This machine can be fitted with a reject grid, or a double deck vibrating grid to produce screened and sized material.



The working demonstration areas give the Hillhead show its unique atmosphere. There, visitors were able to see the new 1200TC Tracked Cone Crusher demonstrating its credentials as a high tonnage quarry



machine, working alongside a Trackstack 8042T tracked conveyor stockpiling to 10 m high.

Source: Tesab Engineering Limited
www.tesabengineering.co.uk booth 1611

every two weeks or 250 operational hours. Engine oil is cheap compared to engines. The Volvo wheel loaders are always parked outside and we keep them plugged in to block heaters at night. We never have any problem getting them started – even when the temperatures really drop.”

A NEW RECRUIT

Local Volvo dealer Strongco recently delivered a new Volvo L120G wheel loader to Tembec's Cochrane operations. Working a 20 hour shift two shifts a day, the L120G feeds and tails the saw mill and then stacks, feeds and loads the wood onto trucks and railcars. The machine is fitted with either a bucket to work the chip pile or a blade for yard cleanup and road maintenance. In winter, snow clearing is also necessary.

Providing high torque at low engine speeds, Volvo machines consistently deliver industry-leading fuel efficiency, lower emissions and less noise, both inside the cab and outside the machine. The advanced diesel particulate filter operates automatically while the machine is work-

ing, with no impact on its performance.

The all-Volvo drivetrain – engine, transmission, axles, hydraulics and steering – is designed to maximize performance and extend machine life. In order to ensure the machine was used to the best of its ability, when the new L120G arrived, Volvo and Mississauga, Ontario-based Strongco, provided all Tembec Cochrane operators and mechanics with a full day of on-site training. Tuition touched upon operator

best-practices to enhance comfort, improve production and lower operating costs.

“Compared to our other wheel loaders we are saving between 45 and 55 l of fuel every shift, which is significant – especially with the price of fuel these days,” says Greg Murphy, superintendent at Tembec.

Because of the Volvo wheel loaders' success, Tembec has already ordered another Volvo L150G to join the team.

Source: Volvo Construction Equipment



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Four New SDLG Dealers for Canada

As sales of the company's wheel loaders increase in Canada, SDLG announces three new dealer locations in Montreal, Calgary, and Winnipeg, with an Ontario location on the way.

Since the company's first wheel loader sold in North America was purchased in Canada in early 2014, the brand has continued to receive a positive reception in the region. Several Canadian companies and governmental bodies have already purchased SDLG wheel loaders for work in their territories. Canadian customers are finding the SDLG proposition – quality-made wheel loaders at value prices – ideal for a wide range of applications.

This success in Canada is expected to grow as three new dealer locations join the SDLG dealer network: Strongco in Calgary, Alberta, Strongco in Montreal, Quebec, and Westcon Equipment & Rentals in Winnipeg, Manitoba. Additionally, a third Strongco branch will join the SDLG dealer network in Ontario later this year. These

locations will offer the brand's complete line-up, as well as SDLG's full product support and service.

Al Quinn, director of SDLG North America, said the addition of Strongco and Westcon will strengthen the company's presence in Canada, enabling more customers to evaluate the wheel loaders, and for those that do make a purchase, access to top-notch product service and support.

"The success of SDLG will only be as strong as the network of dealers we have selling the wheel loaders," Mr. Quinn said. "With Strongco and Westcon coming on board, we're ensuring that Canada will have seasoned, expert dealers that will take great care in knowing both the product and its ideal customer base."

The announcement comes on the heels of several SDLG purchases from the Canadian government, including the RMs (rural municipalities) of Sarnia, Spalding and Caledonia, in Saskatchewan. The groups are using the wheel loaders for

road projects, waste management, snow removal and more. All have pointed to the value and versatility of SDLG loaders as the primary reason for their purchases. Other companies in Canada have purchased SDLG wheel loaders for farming duties, material handling and mining work, among other tasks.

Strongco is one of Canada's largest construction equipment distributors with an extensive network of branches across the country and in the northeastern U.S.

Bob Dryburgh, president and CEO of Strongco, said the company sees the loaders as being an ideal complement to its current product offerings, enabling Strongco to satisfy those customers looking for machine capabilities suited to less duty-cycle intensive operating requirements.

"These customers are price conscious and are looking for more fundamental technology," he said. "As a result, Strongco is able to access a new customer

Atlas Copco Canada Introduces New Hydro Magnet Range

Atlas Copco Canada has released a new range of hydraulic magnet attachments called Hydro Magnet. Designed for recycling plants, scrapyards and demolition, the Hydro Magnet allows valuable iron and steel to be separated quickly and easily from concrete waste. The Hydro Magnet is available in 2 versions: as a fixed magnet (F), or a mobile magnet with chain link (M).

"The innovation of the Hydro Magnet range is the electronic control system, which is responsible for the build-up and release of the magnetic energy. This inverter technology ensures that the material can be loaded and unloaded considerably faster versus conventional magnet plates," says Wayne Ross, Construction Tools Division vice president and business line manager.

Engineered with a flow divider, the Hydro Magnet's hydraulic power provides automatic flow and pressure control. Magnetic power is achieved almost instantly and can hold a large amount of ferrous materials firmly in place. A shock alternation

of the polarity accelerates demagnetization, resulting in a fast material drop and a magnet plate-free from even small pieces of steel. The overall result is a faster collection and loading process.

Simply plugged into the existing grapple or shear installation, the Hydro Magnet requires no extra generator or electro cable on the carrier. Load capacities range from 280 kg up to 7,500 kg.

The new Hydro Magnet range is equipped with an Atlas Copco digital generator made of corrosion-free alloy. The generator delivers a magnetization and demagnetization process cycle that is up to 25% faster than conventional magnet controllers. This also provides lower fuel consumption. Encased in a waterproof body, the control

device protects the Hydro Magnet against the risk of short circuiting, overheating or excessively high or low revolutions of the generator.

A hermetically-sealed steel case protects the magnet coil against mechanical impacts and humidity, and an external Hardox steel ring protects against wear.

A multi-functional diagnostic panel in a waterproof body indicates current working status and potential faults for trouble-shooting.

Collecting demolition materials using an Atlas Copco Hydro Magnet also reduces the risk of damage to crushers, conveyor belts, tires, or other jobsite equipment.

Source: Atlas Copco



base, providing a value priced, reliable machine, often as an entry level product. We are excited by the initial customer response in Alberta and our plan is to roll the product out in Quebec and Ontario over the balance of the year."

Westcon Equipment & Rentals is a privately-held dealer of equipment to the construction, aggregate, road and forestry industries in Saskatchewan, with its headquarters in Regina. It also has branches in Winnipeg and satellite locations in other regions.

Brian Brown, president and CEO of Westcon, said that the company chose to begin carrying the SDLG line for two main reasons.

"We feel that SDLG wheel loaders are a great value for the selling price," he explained. "Also, we are looking to market to a customer base that we haven't been able to in the past – customers that aren't looking for a high production machine, for example. We think customers that are very price conscious or are looking for simplicity will be very interested in SDLG."

SDLG sells 4 wheel loader models in



North America. The LG938L, a 1.8 m³ capacity wheel loader; the LG948L, a 2.3 m³ capacity wheel loader; the LG959, 3.1 m³ capacity wheel loader; and the LG958L, which has the same basic specs as the LG959, but with dry disc brakes rather than wet disc.

"Stronco and Westcon are joining the SDLG dealer network at an ideal time," Mr. Quinn said. "As more and more Canadian customers realize the benefits

of owning and SDLG wheel loader, we are now better poised to sell and support our machines. In less than a year, we've been able to extend our dealer network into more Canadian territories, a trend that we expect to continue for years to come."

Source: SDLG North America



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Widening Trailer from Scheuerle Proves Itself in Australia

The TII Group, which also includes Scheuerle, offers a very wide range of reliable and well engineered width-extend-

it is not unusual that a transport has to cross several state lines and it is possible that the axle spacings or vehicle width

The Widening Trailer transport system from SCHEUERLE was developed specifically to meet the requirements of the



able vehicles. Importantly, these transporters guarantee operators cost-effective operations: then, statutory provisions regarding load distribution on roads and bridges vary considerably depending on country or state-specific legislation. For example, in Australia or North America,

must be changed immediately on crossing the border. Doolan's Heavy Haulage is therefore relying very successfully on the Widening Trailer from SCHEUERLE, which also stands out through an extremely high bending moment even when fully extended.

Australian and American markets, with the impressive new "Highway Giant - Dual Lane Trailer" being recently added to the product range. Due to the variable width of the vehicle, the loading area can be adjusted to the suit the size of the cargo. Furthermore, the distribution of the total

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weight can be influenced during a transportation assignment so that different regulations can be complied with using just one vehicle. In order to achieve an optimal payload/tare weight ratio, the bogies are manufactured using a solid lightweight construction. Connecting to the tractor is carried out by means of a gooseneck or drawbar. The Widening Trailer relies on the proven pendulum axle technology from Scheuerle. The twin-tire axles are pendulum-mounted on hydraulically lifted rocker arms. The hydraulic cylinders in the pendulum axles guarantee, on the one hand, larger axle compensation and, on the other, a large displacement volume in order to also be able to drive under and pick up supported loads when in the normal drive position. The Scheuerle pendulum axle mounting, in connection with the precise and smoothly-operating steering system with a steering angle of up to $\pm 60^\circ$, easy manoeuvring even when negotiating tight bends.

Transporters from Scheuerle, Nicolas and KAMAG are recognized across the world for their advanced technology and



Doolan's Heavy Haulage using a SCHEUERLE Widening Trailer to transport an Hitachi excavator in Australia – also when fully extended, the Widening Trailer stands out through its extremely high bending moment.

special product quality. Reliability in daily use, high load capacity and a long working life make the vehicles a very important component of modern logistical operations. The history of vehicle technology for heavy transport vehicles is closely connected with the names Scheuerle, Nicolas and KAMAG. The companies combine tradition and innovation, and belong to the

company group of the Heilbronn entrepreneur Otto Rettenmaier. The TII Group - Transporter Industry International - is world market leader in the development and manufacture of heavy transport vehicles with payloads of up to 20,000 t.

Source: TII Group - Transporter Industry International

Åkerströms Björbo Launches New Members of Era Family

Åkerströms Björbo AB continues to launch brand new Era remote control products. Last year Åkerströms began by launching a receiver and waist transmitter for industrial use, mostly for cranes and overhead cranes. The second part of the launch is now being initiated with a brand new series of handheld transmitters.

The new hand transmitters are called Remotus Jupiter/Mercury Era, and the Jupiter range will be available in 3 standard models: a transmitter with 8 buttons (Remotus Jupiter Era 8B), one with 6 buttons (Remotus Jupiter Era 6B), and one with 4 buttons (Remotus Jupiter Era 4B). The 8-button transmitter will also be available in the customizable Mercury range, where symbols and functions are tailored to customer requirements. The large, distinct buttons are two-stage, which means each button can have 2 functions. The transmitters work with the previously launched RX160 receiver, which is also compatible with other Åkerströms products.

The hand transmitters weigh just 265 grams (including battery) and have

a very smooth, sleek ergonomic design. They fit in one hand and can easily be carried in a pocket. The buttons are easy to operate and designed to also be used with gloves. The graphical display has a clear, simple user interface, and LEDs on each button indicate the selected function, while a separate LED indicates battery status and operation. They have a long operating life of about 40 hours and the output power is adjustable.

The transmitters communicate on radio frequencies 433-434 MHz, 863-870 MHz, and 902-928 MHz.

The transmitters are suitable for indoor and outdoor use since they are IP67 rated, that is, completely waterproof and dustproof. The emergency stop function is certified as per EN ISO 13849-1, Cat 3, PL d, in systems with certified receivers.

As the new hand transmitters are

launched, more waist transmitter models will be added to the line that was launched last year.

The waist transmitter has an integrated safety solution for all the senses: sound, vibration, and red warning color. The emergency stop function in all models is certified as per EN ISO 13849-1, Cat 3, PL d, in systems with certified receivers. They are equipped with a tilt switch and active stop, which means

that they stop immediately, for example, if they are dropped. Sleek ergonomic design, rubberized handle for optimum grip, and protective metal feet are just a few of their great physical properties.

Source: Åkerströms Björbo AB



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BOMAG Launches its New Refuse Compactor in Spain

Southern Spain provided the setting for an exclusive BOMAG event for customers and dealers worldwide: the market launch of the BC 473 RB-4 refuse compactor. The event, which took place in early April in both Malaga and at the Antequera landfill site, and which included presentations and site demos, offered guests an opportunity to appreciate the many aspects which



define the efficiency and cost-effectiveness of this new generation of refuse compactors from BOMAG.

Personal experiences were the focal point of the event, which is why BOMAG chose to use a working environment to demonstrate its new compactor in the 26 to 28.3 t class. Before the start of the tour of the landfill site, Jonathan Stringham, head of marketing at BOMAG, and Lorenzo Wakonigg, managing director of Spanish BOMAG dealer Maquinter, welcomed the many guests.

"We are delighted to have this opportunity to show you our new machine on one of the most modern landfill sites in Europe. The new BOMAG BC 473 RB-4 has already been in action here for two months. In this demanding working environment you can see how many ideas we have combined in the development of this new machine," said Jonathan Stringham, who continued by underlining the importance of the refuse compactor business for BOMAG. "The refuse compactor business is a cornerstone of our success. A success built on continuous exchange of information with our customers and which is manifested through innovative solutions and the best quality materials and workmanship."

In fact, refuse compaction has been one of the core areas of expertise of BOMAG for many years, alongside asphalt and soil

member of Parliament in Malaga and president of the Consortium and Daniel

Sánchez Pérez, managing director of the landfill site, highlighted the good business relationship with BOMAG dealer Maquinter.

This was followed by a short overview of its business concept presented by Angel Castillo Arrebola, development manager of landfill operating company RSU. The site, which includes a sorting and composting plant, has been completely modernised with an investment of over €22 million (\$31 million), and the company is highly proactive with lectures and presentations in schools and universities explaining the issues around refuse processing.

"Our overall strat-

egy is to use state-of-the-art technology, especially with our plant and equipment, and we are pleased to confirm that we are delighted with the performance of our BOMAG refuse compactors.

In their welcome speeches, both Marina Bravo Casero,

and Daniel Sánchez Pérez, managing director of the landfill site, highlighted the good business relationship with BOMAG dealer Maquinter.

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Practice follows theory and what the Mercedes/MTU Tier 4 final engine, the twin pump drive system and the BOMAG compaction concept can deliver was fully demonstrated by the compactor driver. Over steep accumulations of refuse and from a range of different approach angles, the guests tested the power and handling of this unit. It became clear here that in the development of this new compactor, BOMAG engineers had focused on performance and ease of service and maintenance, resulting in significant reductions in downtime.

Spreading loading or compacting – the high versatility of this model produced a clear vote of confidence from everyone present. As one observer said, “it is remarkable that this machine handles so sensitively with such a fast response time.” And according to another convinced customer, “the clever design of this machine was a welcome surprise for me. Despite the large hood, as a driver I can see everything and also have a fantastic rear view. For the daily machine checks it is just excellent that all components are so easily accessible.”

“That is a message only possible after practical use,” explained Detlev Wickert. “As well as the performance of the machine, the overall efficiency was also very clear. The engine and the controlled cooling system give, depending on operating conditions, a fuel reduction of 12%,” continued Mr. Wickert. Then, this machine produces the same high compaction pressure per square centimeter as machines in higher weight classes. Compaction is not just a question of static weight.

BOMAG markets 3 models fitted either with a twin pump or a quad pump. With their performance of 300 to 600 t per layer, the machines are ideal for small to medium-sized landfill sites. This is where the new BOMAG refuse compactors will create a new performance class and offer a serious alternative to competitor models in higher weight classes.

This new and interesting feedback gave way to an evening of relaxation. The Automobile Museum in the center of Malaga provided an exclusive setting amongst the impressive of vintage car exhibits spanning nearly all eras.

Source: BOMAG

New Cat® 826K Landfill Compactor

The Cat® 826 Landfill Compactor has set the design standard for this demanding application since 1978, and with the introduction of the K Series model, that design is further advanced in terms of operator comfort and safety, ease of operation, durability, reliability, low-cost operation, and productivity. Two Cat C15 ACERT™ engine options are available, meeting Tier 4 final or Tier 3 equivalent emission standards. It delivers 405 hp to the 826K's drive train, which uses a 2F/2R planetary power-shift transmission, lock-up torque converter, and heavy-duty planetary axles that can accommodate 3 new wheel-and-tip configurations. With an operating weight of 40,917 kg, coupled with massive structures that remain solid through a number of rebuilds, the 826K is built for rugged durability.

For fuel-saving performance, the 826K features an Eco Mode, which, when selected by the operator, limits engine speed and allows the machine to function in an auto-shift mode when maximum torque is not required. For operator convenience, the left pedal serves as a brake, transmission neutralizer, and engine decelerator, which the operator can use to temporarily override the engine speed set with the throttle lock for safely maneuvering around obstacles. And for optimum responsiveness and control, the 826K's STIC™ system allows single-lever steering and transmission control.

Operator comfort and convenience is further accommodated in the design of the 826K with easier entrance and exit from the cab with lighted, shallow-angle stairways and a STIC armrest that folds away. The Cat Comfort Series air-suspension seat features extra thick cushions and moves the attached electro-hydraulic STIC-control pod and implement-control pod when adjusted. The cab, isolation-mounted to the frame, is pressurized with filtered air, and the selected temperature is maintained automatically. The control panel uses large,

back-lit switches with LED indicators, and a simple two-position rocker switch controls the parking brake.

Because the landfill compactor works in the harshest of applications, Caterpillar has designed the machine with purpose-built structures that deliver long-term



durability. The full-box-section rear frame resists twisting forces and shock, the steering-cylinder mounts are designed to effectively dissipate steering loads into the frame, and the axle mounts are heavy-duty components that contribute to the overall structural integrity of the machine.

The 826K is available with 3 new wheel-and-tip configurations to improve machine performance and to meet individual landfill applications. The Paddle Tip configuration is designed for greater traction with less weight, providing high performance coupled with reduced fuel burn. The Plus Tip is a conventional design that increases side-slope stability, and the Combination Tip provides a practical compromise of important elements – performance, fuel economy, and side-slope stability.

To further complement serviceability, the Cat Vital Information System (VIMS™ 3G) integrated into the 826K's design keeps operators informed about machine operating conditions. The Cat Product Link™ system provides event and diagnostic codes, as well as data such as operating hours, fuel level, and idle time. This information is transmitted to a secure web-based application, VisionLink®, which provides powerful tools for conveying information to machine owners and dealers, including working time versus idle time and mapping functions.

Source: Caterpillar

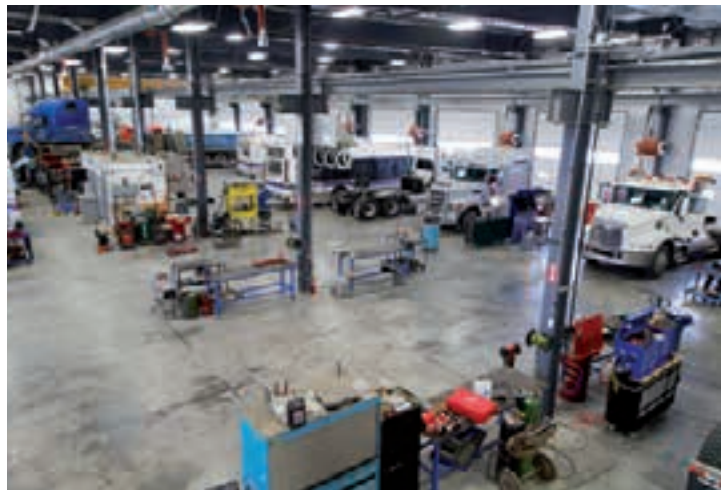
Mack Boosts Service Capacity in Canada

Mack Trucks further strengthened its service and support network in Canada with the opening of new facilities in Saskatchewan and Quebec.

"Mack's customers reap the benefits of maximum vehicle uptime and increased return on investment because of the ongoing investments throughout our dealer network," said Stephen Roy, president, Mack Trucks North American Sales & Marketing. "Mack is committed to delivering products, services and support that we're confident provide unparalleled customer value, and our dealers live this commitment every day."

Redhead Equipment recently opened the doors to its new Regina, Saskatchewan location between Emerald Park and the City of Regina on Highway 1 East. Redhead Equipment, which also retails and services trailers and construction equipment, built the new 10,870 m² facility to streamline

their operations and better serve the growing needs of their diverse customer base. The truck service center, staffed by 15 Mack technicians, 9 of whom are Mack Master Technicians, features 27 service bays, including wash and welding bays, a lube pit, overhead crane and truck lifting system. The location houses an extensive parts inventory in its 2,800 m² parts warehouse and operates 7 service trucks to provide support at customer locations and jobsites.



Mack also enhanced its presence in Quebec with the opening of Mack Laval near Montréal. The dealership was previously based in Anjou, Quebec and known as Camions Lourds de Montreal. Moving to the Laval facility will help ensure even

Ausroad Shifts Focus to Allison-Equipped Road Maintenance Trucks

Australian road maintenance vehicle manufacturer, Ausroad Systems, depends on Allison automatics to bring ease of use, versatility and robustness to its highly sought-after maintenance trucks. According to Ausroad managing director, Toni Dunlop, Allison transmissions have the design and technical requirements needed to maximize the performance of the trucks Ausroad modifies for its customers.

"Allison transmissions are perfect for the way we drive the machinery on the back of our trucks," said Mr. Dunlop. "We drive 3 pumps off the power take-off (PTO), which puts a huge torque load on the transmission, but the Allison handles it with ease. Other transmissions don't have the same PTO setup."

Since its creation in the late 1980s, Ausroad has fitted road maintenance machinery to hundreds of trucks for local councils and mine site operators. In recent years, virtually all Ausroad trucks including the Isuzu FVZ range, Hino 500 Series, Fuso Fighter and Iveco Acco have been fitted with Allison's 3500 6-speed automatic transmission as original equipment.

The road maintenance trucks are equipped with an aggregate spreader, spray bar and multi-purpose attachments for road patching and resealing.

Transmissions are programed to disengage the PTO when engine speeds exceed a preset limit to ensure the expensive maintenance machinery is not damaged.

"If the operator forgets to disengage the equipment, it is automatically shut down at 150 rpm," Toni Dunlop explained. "Allison makes it simple to protect the investment, so there's no concern about damaging the gear."

Ausroad has put Allison automatics to the test over the years in climates ranging from sub-zero to more than 45°C, leaving no doubt about the durability of the transmissions.



"The operational patterns of our trucks are similar to those in refuse, with lots of stop and start use required. It's quite a tough application, but we've never had a problem with Allison transmissions. They're extremely robust and reliable, and we've never had to replace a gearbox due to wear and tear."

As well as selling trucks in Australia, Ausroad also maintains its own for-hire fleet for both long and short term rentals. Being in the for-hire business made the decision to move to automatics obvious; the transmission takes pressure off drivers and ensures smooth operation.

Volvo Launches Gas-Powered Truck

greater customer service and easy access from major routes A-440 and A-25. The 1,765 m² facility provides 14 service bays manned by 14 technicians and a 325 m² parts warehouse, overhead crane, lube pit and high-tech lube system. The facility is equipped to service alternative fuel vehicles. Located on a 12,800 m² lot, Mack Laval provides ample room for trailers and is monitored by an advanced camera system to help protect customers' assets.

The ongoing investments to expand service and support capabilities further the effectiveness of Mack's GuardDog® Connect telematics-based solution, which quickly diagnoses potential issues, proactively schedules repairs and confirms that required parts are in stock and ready to install, all while the truck is still on the job.

Source: Mack Trucks

booth 1155

"I don't understand why you wouldn't choose an automatic for this sort of vocation, particularly in a hire truck. It just seems crazy not to," said Mr. Dunlop. "Not every driver is necessarily a good one, so the less to think about the better. An automatic means the driver doesn't have to worry about a clutch, changing gears or engaging and disengaging the machinery to change direction."



Established in 1989 by Toni Dunlop's parents, Ausroad has been manufacturing road maintenance vehicles for nearly 25 years, positioning itself to be the leader in manufacturing of specialty road maintenance trucks. Ausroad supplies nearly half of local governments in Australia's eastern states and a number of mining sites in Western Australia.

Source: Allison Transmission



Volvo Trucks is expanding its model range in Europe with a new version of the Volvo FE running entirely on methane gas. The Volvo FE CNG (compressed natural gas) has been primarily developed for operations involving short driving cycles with repeated starts and stops such as refuse collection and local distribution.

"With the Volvo FE CNG we can now offer companies that drive a lot in urban environments a truck with a far lower environmental impact. Many cities the world over are looking for alternatives to diesel-powered trucks. In the field of refuse handling in particular, renewable fuels are often a requirement for securing a purchase contract," says Christina Eriksson, business manager Alternative Drivelines at Volvo Trucks.

Methane gas is odorless when combusted and it contains very low levels of harmful particles. If the methane is a biogas, that is to say based on organic materials, emissions of carbon dioxide are up to 70% lower than those of a diesel truck.

The Volvo FE CNG is powered by an all-new 9 l Euro 6 engine featuring spark plug technology that produces 320 hp and 1,356 Nm (1,000 lb pi) of torque.

"Spark plug technology is particularly suitable for driving cycles where the truck covers short distances with a lot of start-stop traffic," explains Mrs. Eriksson.

Thanks to its fully automatic transmission, the truck retains the same excellent

driveability and productivity as the conventional Volvo FE. The automatic transmission also gives faster driveline response.

"Methane gas is the fuel that will



become a sustainable alternative to diesel in the long term. Right now the focus is on working together with the various public authorities and private corporations to draw up the relevant rules and create the right preconditions for positive development," says Lars Mårtensson, Environmental director at Volvo Trucks.

Sales of the new Volvo FE CNG started in Europe in August, with series production getting under way in early 2015.

Source: Volvo Trucks

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RunWise® Qualifies for Texas Clean Fleet Program

Parker Hannifin Corporation recently announced that its Parker RunWise® Advanced Series Hybrid Drive System qualifies as a fuel replacement option under the Texas Clean Fleet Program for Texas municipal fleets.



The Texas Clean Fleet Program, part of the Texas Emissions Reduction Plan (TERP), provides incentives, such as grants awarding 80% of the cost of purchasing an alternative fuel or hybrid vehicle, to owners of large fleets to replace diesel-powered vehicles. The RunWise technology complies with requirements of the Texas' program by reducing vehicle emissions of up to 50%. Fourteen Parker RunWise hybrid drive systems are in use in the state.

Source: Parker Hannifin Corporation

 booth 1213

Handy Guides from Eriez® Orange University®

Through its Orange University® educational program, Eriez® offers a series of "How to Choose and Use" brochures designed to assist readers in selecting and utilizing the appropriate equipment to conquer their toughest metal contamination and material handling challenges. These guides are available for immediate, free download from the company's website.

Topics include "How to Choose and Use Industrial Metal Detectors," "How to Choose and Use Magnetic Separators," "How to Choose and Use Lifting Magnets," and "How to Choose and Use Vibratory Feeders and Conveyors." Each piece provides a comprehensive overview of the featured equipment and offers guidelines for selection based on users' unique application considerations.



Source: Eriez

 booth 1550

McNeilus Upgrades Zero Radius Arm to Improve Performance and Strengthen Reliability

McNeilus Companies, Inc., an Oshkosh Corporation company, exhibited an upgraded McNeilus® Zero Radius (ZR) Automated Side Loader, featuring a new arm assembly, at Waste Expo, held last spring at the Georgia World Congress Center in Atlanta, Georgia. The new ZR arm offers several enhancements – including a 3.6 m extended reach option – to improve productivity and reliability.

"The upgrades we've made make the innovative McNeilus ZR arm even better and more productive than before," said Brad Nelson, Oshkosh Corporation senior vice president and president of the Commercial business segment. "The end product is a stronger and smoother operating arm that can reach farther and perform more efficiently."

The McNeilus ZR Automated Side Loader's 3.6 m extended reach arm allows drivers to more efficiently navigate cul-de-sacs and other obstructions such as parked cars. That is just the start. The ZR upgrades also feature a simplified hydraulic design,



new components, and redesigned routings. Other advances include structural body upgrades, solid steel rungs on the mast, new carriage rollers and an improved joystick. All upgrades are backed by a new extended warranty. The enhanced ZR is designed to improve performance, simplify maintenance, and strengthen reliability.

"With this portfolio of upgrades, the McNeilus ZR sets a new bar for productivity in the automated side loader segment,"

Mr. Nelson said. "These improvements are a direct result of customer feedback to our product team and engineering staff, and we are excited to review its many advantages with haulers, who will see their suggestions translated to an excellent piece of technology in motion."

Source: McNeilus Companies, Inc.
London Machinery

 booth 1125



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The Autocar Xpert can be equipped with an OEM dual steering system. With all controls placed either in the middle, or duplicated and mirrored on both sides.

The high performance dual steering gear system is designed for an extra tight turning radius, and the electrical system is designed for dual steer from the ground up, with no third party splicing into a wire harness.



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Freightliner Trucks Adds to Natural Gas Product Options

Freightliner Trucks recently announced that the Cummins Westport ISX12 G heavy-duty natural gas engine will be available as a factory-installed option for the Freightliner 114SD severe duty truck model in 2015.

The 114SD-ISX12 G combination will be ideal for the demanding jobs that the 114SD is designed for, such as mixer, crane and sewer vac. The 12 l ISX12 G heavy-duty natural gas engine features ratings of up to 400 hp and 1,450 lb ft torque, and operates on compressed natural gas (CNG) or liquefied natural gas (LNG). Factory-installed back-of-cab mounted CNG tanks are available in 227 or 284 l (diesel equivalent) configurations.

The 114SD has been available with natural gas with the 9 l Cummins Westport ISL G engine since 2011. With the upcoming



availability of the ISX12 G, fleets can get the horsepower and torque ratings they need to meet the toughest of applications.

"The 114SD, when paired with the Cummins Westport ISX12 G heavy-duty natural gas engine, will provide our vocational customers with another green

option for their toughest jobs," said Mary Aufdemberg, director of product marketing for Freightliner Trucks. "Our entire natural gas product line – from the 114SD to the M2 112 and Cascadia 113 – is not only environmentally-friendly, but durable, productive and powerful."



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Front view of assembly and wearing edge

Side view of wearing edge and rubber housing

Front view of one wearing edge removed



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Built on Freightliner's severe duty platform and designed for a variety of applications, the versatile 114SD features a chassis engineered for ease of body upfit and is available with a wide range of vocational rear suspensions and frame options up to 4.4 million RBM. A heavy-duty frame, steel reinforced aluminum cab and flexible specs make the 114SD ideal for the toughest jobs.

Freightliner's commitment to green technologies is part of parent company Daimler AG's global "Shaping Future Transportation" initiative. Launched in 2007, the initiative is focused on reducing criteria pollutants, carbon dioxide and fuel consumption through the utilization of clean, efficient drive systems including clean diesel and alternative fuels. Since 2008, Freightliner Trucks has sold more 3,500 natural gas-powered trucks and tractors.

Source: Daimler Trucks North America

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McNeilus Sells Fleet of 40+ CNG-Powered Split Body Rear Loaders to Emterra Group



McNeilus Truck & Manufacturing, Inc., an Oshkosh Corporation company, recently announced that more than 40 McNeilus® Compressed Natural Gas (CNG)-powered Split Body Rear Loader refuse vehicles have been sold to Canada's Emterra Group. The vehicles will be delivered beginning late next year, and will be placed into service in the Greater Toronto Area. This is one of McNeilus' largest refuse vehicle orders in Canada.

"McNeilus was selected because, right from the outset, their team demonstrated that they were very prepared and understood our needs and requirements," said Paulina Leung, Emterra Group vice president of Corporate Strategy and Business Development. "We also visited their facilities and could see, firsthand, some of the quality control and quality assurance processes McNeilus has in place."

"We're excited to be selected by Emterra Group for this significant purchase. It's a validation of our products and our people," said Brad Nelson, Oshkosh Corporation senior vice president and president of the Commercial business segment. "The McNeilus Split Body Rear Loader is an excellent choice for dual-stream routes, and we look forward to having these vehicles in service with this progressive and innovative recycling and waste diversion solutions company."

The McNeilus Split Body Rear Loader is engineered with the same level of reliability and quality as the company's high-performance Standard Rear Loader, but it is designed for dual stream refuse

collection. It is available in 2 body sizes (19.1- and 24.4 m³) and 2 configurations (a 60/40 or a 75/25 split) to meet customer needs. The dual tailgates operate independently of each other, and controls on both sides of the tailgate allow for packing from either side of the truck.

"We're going to be using this equipment for many years to come and we require a partner that is going to back its product from day one," said Mrs. Leung.

London Machinery of London, Ontario, the exclusive distributor of McNeilus refuse vehicles in Canada, provides local service and support. "Here in Canada, London Machinery has the team – and the mandate – to provide the customer support and service we expect," she added.

Emterra Group is a leader in providing fully integrated collection, processing and marketing services of waste, recyclables, organic waste, used tires, and more for municipalities, commercial, institutional and industrial clients, and residential customers throughout Canada and the State of Michigan. Emterra's waste management divisions offer innovative and cost effective resource and waste management plans tailored to meet customer needs. Driven by its mandate to increase the sustainability of its operations, Emterra deploys the latest technologies, including compressed natural gas trucks and optical sorting equipment, to truly "walk the talk".

Source: McNeilus Companies, Inc.
London Machinery

www.mcneilus.com booth 1125

Appointments

As part of its family succession planning process, **Vermeer Corporation** recently announced that 3rd-generation family member, **Jason Andringa**, will serve as the company's next president & CEO effective November 1st, 2015.

On November 1st, 2014, he will assume the role of president & COO for one year, when he will transition to the role of president & CEO of Vermeer Corporation. He currently serves as president of Forage and Environmental Solutions.

"Gary Vermeer, my grandfather and Vermeer founder, was very influential for me personally and professionally," said Jason Andringa. "Since a young age, I had a passion to follow in his footsteps. In the mid-90s, I traveled on a business trip overseas with my mother, Mary, and saw firsthand the global demand for Vermeer equipment and the impact it was making on local communities across the world. That trip solidified my path to Vermeer. I am honored to have the opportunity to lead Vermeer as a family-owned and operated, global company into a prosperous future."

Mary Andringa, current president & CEO, will assume the role of CEO & Chair of the Board November 1st, 2014. She will transition exclusively to Chair of the Board November 1st, 2015.

"I look forward to working closely with Jason this coming year to prepare him for the transition to CEO in Nov. 2015," said 2nd-generation family member Mary Andringa. "As an entire family, we are proud to announce the 3rd-generation leadership who we know with confidence can propel us to new heights."

Bob Vermeer, current Chairman of the Board, will assume the role of Chair Emeritus. The honorary role for individuals who served as Vermeer CEO or Chair of the Board will be effective November 1st, 2014.

"The Vermeer family and Board of Directors have worked diligently for more than two decades to establish a robust and extensive family employment policy and succession planning process," said Bob Vermeer, 2nd-generation family member. "We are confident that Jason's education and experience have prepared him exceptionally to lead the company."

Source: Vermeer Corporation



Rexel announced recently the appointment of **Brian McNally** to the newly-created position of executive vice president and CEO of **Rexel North America**.

In this role, Brian McNally will become a member of Rexel's Executive Committee and be in charge of Rexel's operations in North America, encompassing both the U.S. and Canadian businesses, which represent about one-third of the Group's total sales.

Brian McNally's appointment reinforces Rexel's commitment to create the leadership conditions to further accelerate the business transformation and to leverage synergy and scale across North America, and to drive the execution of Rexel's Energy in Motion strategy through enhanced customer centricity and organizational effectiveness for profitable organic and external growth.

Source: Rexel Group



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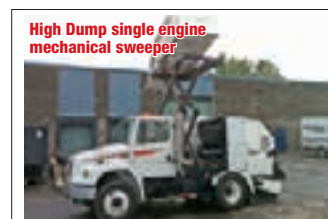
2001 JOHNSTON 610 vacuum sweeper, mounted on Freightliner FC70 cab over chassis. Stock: H39469

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Agenda

WaterSmart Innovations Conference and Exposition
October 8 - 10, 2014
Las Vegas, NV USA

2nd annual Natural Gas Vehicles Canada Conference & Exhibition
October 20 - 22, 2014
Toronto, ON Canada

Water Infrastructure Conference & Exposition
October 26 - 29, 2014
Atlanta, GA USA

Expo-FIHOO 2014
October 29 - 31, 2014
Montreal, QC Canada

Québec Mines
November 17 - 20, 2014
Quebec City, QC Canada

Canadian Waste & Recycling Expo
Exposition canadienne du déchet et du recyclage
November 19 - 20, 2014
Toronto, ON Canada

Forum du transport efficace
November 20 - 21, 2014
Shawinigan, QC Canada

bauma China
November 25 - 28, 2014
Shanghai, China

Pollutec 2014
December 2 - 5, 2014
Lyon, France

Landscape Ontario's 42nd Edition of Congress
January 6 - 8, 2015
Toronto, ON Canada

World of Concrete 2015
February 3 - 6; Seminars 2 - 6, 2015
Las Vegas, NV USA

Work Truck Show
March 4 - 6, 2015
Indianapolis, IN USA

National Heavy Equipment Show
March 5 - 6, 2015
Toronto, ON Canada

World of Asphalt & AGG1
March 17 - 19, 2015
Baltimore, MD USA

inter airport South East Asia – Singapore
March 18 - 20, 2015
Singapore

2015 North American Snow Conference
April 12 - 15, 2015
Grand Rapids, MI USA

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

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

ICUEE – The Demo Expo
September 29 - October 1, 2015
Louisville, KY USA

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April 11 - 17, 2016
Munich, Germany

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March 7 - 11, 2017
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