

InfraStructures

The background image is a full-page photograph of a construction site. In the foreground, the yellow frame and side mirror of a vehicle are visible on the left. In the middle ground, a yellow BOMAG paving machine is being operated by a worker. To its right, a yellow BOMAG tandem roller is also visible. Several other workers in high-visibility vests are standing near the machines. In the far background, several wind turbines are visible against a blue sky with scattered white clouds. The overall scene depicts a large-scale infrastructure project, likely a road or airport runway.

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A Brief Word...

As the luster wears off 2016 we find ourselves already into February.

The biggest talking point is this El Nino winter we are experiencing. The work that could be done if we could count on it and the work not getting done because there isn't any snow to clear.

But the economy is still on shaky ground. We have seen the U.S. make moves to increase prime and the UK is likely to do the same soon. Meanwhile the Canadian dollar continues to wane and the prime time for intervention has passed.

Equipment prices shall remain high making auction and used equipment activity a larger part of the buying cycle.

While the rest of the G7 members continue to get stronger, until China stabilizes our overdependence on resources will continue to see our economy suffer.

But, spring is around the corner, so there is promise of deliverance.

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On the cover:

over 2 days, at BOMAG's headquarters in Boppard, Germany, the company displayed its full product range in the asphalt sector and demonstrated the smooth interaction of its machines on a variety of construction jobs.

**BOSCH REXROTH CANADA ANNOUNCES
THE ISO 9001, ISO 14001 AND OHSAS 18001
CERTIFICATION OF ALL LOCATIONS ACROSS
CANADA**

It is with great pride and satisfaction that Bosch Rexroth Canada Corp. (all locations) announce the ISO 9001, ISO 14001 and OHSAS 18001 certification.

"We are committed to providing the industry with superior products and services," says Claudio Perin, corporate

manager, QMM/HSE. "To ensure that these reach our customers in the fastest and most reliable way, we constantly verify and review all systems, thus ensuring consistency and best practice. The ISO 9001 certification indicates that we will meet not only their stated requirements, we will meet more of their implied requirements. The ISO 14001 certification by Bureau Veritas verifies that we are committed to identifying and controlling our environ-

ment impact and also improve our environment performance. The OHSAS 18001 certification shows that we have a clearly defined management system and we want to minimize risks to our workforce, visitors, sub-suppliers and contractors on our premises."

Locations include; Welland, Ontario, Burlington, Ontario, Edmonton, Alberta, Saskatoon, Saskatchewan, Burnaby, British Columbia, Dartmouth, Nova Scotia, Fredericton, New Brunswick, Longueuil, Quebec and Saguenay, Quebec.

Source: Bosch Rexroth Canada Corp.

**KOBELCO CONSTRUCTION MACHINERY
AND KOBELCO CRANES TO MERGE**

Kobe Steel, Ltd. and its wholly-owned subsidiaries, KOBELCO Construction Machinery Co., Ltd. and KOBELCO Cranes Co., Ltd., have announced plans to merge the 2 businesses under KOBELCO Construction Machinery Co., Ltd. effective April 1, 2016.

The Kobe Steel Group decided to merge the 2 companies to further strengthen its business foundation and accelerate global development in relation to the construction equipment business. The subsidiaries were originally split into 2 separate companies in 2004, with both companies specializing in their respective fields in many countries around the world. This merger is anticipated to improve business efficiency, strengthen product development capabilities and bolster global development. It will also enable Kobe Steel to pursue new possibilities from the synergy derived from the accumulated technologies of its excavators and cranes.

According to Kobe Steel in Japan, the merger of overseas KOBELCO subsidiary Construction Machinery and Crane locations will be considered on a case by case basis while weighing the benefits to each market within 2016. "Here at KOBELCO Construction Machinery USA, we are considering the best approach to strengthen the support of our North America dealers and customers," says Pete Morita, president of KOBELCO Construction Machinery USA. "We are very excited about the opportunities this consolidation provides. There are still many factors to be considered in North America and we will identify the options that best allow KOBELCO USA to continuously provide our dealers and customers with the best product development, manufacturing capabilities and



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enhanced sales and service support in the market."

The new combined company will take a leap forward as a comprehensive construction machinery manufacturer that combines the 2 products of excavators and cranes. After the merger, KOBELCO Construction Machinery Co., Ltd. will represent a combined sales of US\$3.15 billion (\$4.5 billion) with over 7,600 employees.

Source: KOBELCO Construction Machinery USA

BROKK CELEBRATES 40 YEARS OF INNOVATION!

During 2016, Brokk celebrates 40 years of innovation as the world's leading manufacturer of remoted-controlled demolition machines. The first Brokk machine that was introduced in Sweden 1976 meant a revolution in the demolition industry. And with the development since, Brokk has played the leading role in making demolition robots a vital tool to many projects and industries across the world. The jubilee will be celebrated all year-long with a lot of different activities.

The history of remote controlled demolition and the history of Brokk is one and the same. It all started in 1976 when 2 entrepreneurs in Skellefteå faced a confined space demolition challenge that led them to develop the world's first demolition robot. This machine led to the establishment of the company, and Brokk has continued to innovate and solve increasingly complex demolition problems ever since.

During these years Brokk has delivered well above 6,000 demolition robots to more than 100 countries across the world. What started as a niche machine for very special needs is now a mainstream vital part of most demolition, process, cement, nuclear decommissioning and underground project across the world. And with the experience and expertise developed during these 40 years, Brokk continues to push the boundaries and lead the development in the demolition robot industry.

The celebration started on January 19, with the pre-launch of the new Brokk 120 Diesel, the world's smallest diesel-powered model. The basic design elements remain the same: a compact, flexible, productive and stable machine with an innovative three-arm system for maximum reach and precision. With Brokk machines, work can be done in a safe and efficient way,

allowing the operator to stay clear of risky situations. Celebrations continued at the World of Concrete in Las Vegas, Nevada.

Brokk will also join the world's biggest construction exhibition, Bauma, in Munich, Germany, from April 11-17. To celebrate its 40th Anniversary, the company will have a customer event on April 20, at its booth.

Source: BROKK AB  FM.613

BEIJING NEW AIRPORT PROJECT EXTENDS CONSTRUCTION INFORMATION MANAGEMENT SYSTEM CONTRACT WITH TRIMBLE

Trimble recently announced a contract extension for Beijing's New Airport Project. In April 2015, Trimble won the initial bid to supply the project with a construction information management system. Based on the success of the solution to date, the contract has been extended to include additional machine control systems for soil stabilization.

Beijing's new airport is projected to handle approximately 72 million travelers, 2 million t of shipping and 620,000 flights by the year 2025. It is a massive construction project with an unprecedented amount of civil aviation investment by the Chinese government. In order to construct the airport in a safer, more efficient manner, achieve transparent management, and maximize construction quality, the Beijing New Airport Project is using construction technology from Trimble to integrate construction and operations.

Trimble was chosen by the Beijing New Airport Project to implement a browser-based, locally-hosted digital construction information management system for track-

ing and monitoring construction operations in real-time. The Trimble solution allows users to create 3D constructible models, perform soil stabilization, automate construction processes and effectively manage information. Based on the successful soil stabilization results using Trimble machine control over the past 4 months, another 15 systems have been ordered.

"The research results for dynamic compaction have been extremely promising," said Li Qiang, chief engineer of the Beijing New Airport Construction Office. "As a result, the project is pushing forward with a larger scale deployment to further the research into creating new methods and standards for airfield construction."

"The Beijing New Airport Project is a significant win for Trimble and we are very excited about the success of the project," said Steve Berglund, president and CEO of Trimble. "The contract extension validates Trimble's ability to provide innovative solutions that transform work processes by maximizing management capability, ensuring construction quality and improving productivity."

Source: Trimble

Trimble Germany GmbH  A3.337

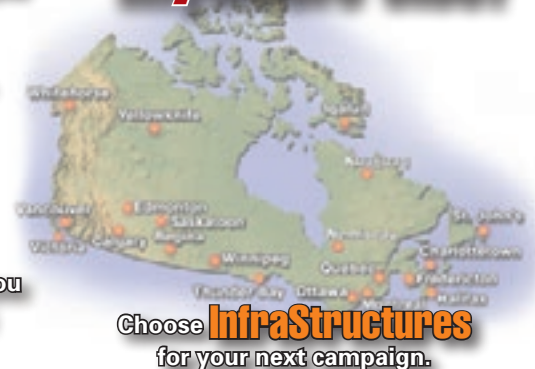
ALL TYPE ELECTRIC SELECTS DEXTER + CHANEY'S SPECTRUM® CONSTRUCTION SOFTWARE

Edmonton, Alberta based All Type Electric selected Dexter + Chaney's Spectrum® Construction Software for its complete business, construction and service management needs. The company, growing at a rapid pace since parent company The Coles Bay Group acquired it in 2013,

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needed a software solution to tie together data between departments and multiple companies.

All Type Electric is a very specialized electrical contractor and equipment fabricator working on everything from industrial maintenance to design-build projects. They also fabricate temporary power equipment. The company expanded by acquiring another Calgary-based electrical contractor, which will operate under the

All Type name, and just this summer added another company to its family under the Coles Bay Group umbrella – Los Angeles-based Multin Electric.

"We are a little more diversified than the typical electrical contractor," said Michael Brown, principal of the Coles Bay Group. "One of the specific reasons we looked at and ultimately bought Spectrum was for its multi-company enterprise capability, which is very strong."

Mr. Brown said his company needed the software to work seamlessly among multiple companies in the U.S. and Canada. Connecting these multiple entities, as well as employees in the field with staff in the office in real time with a web-based solution was a driving factor in selecting Spectrum.

All Type Electric is utilizing Spectrum's Field Tech mobile solution, allowing its technicians to work remotely with work orders and service management tasks, yet stay connected to the office in real time.

The connectivity provided throughout Spectrum also opens access to all of the companies' employees, so that they can perform their jobs from anywhere.

Source: Dexter + Chaney

CAMSO LAUNCHES 2 NEW WHEEL LOADER TIRES THAT DELIVER INCREASED PERFORMANCE AND LOWER OPERATING COSTS

Camso – formerly Camoplast Solideal – elevates its commitment to providing the most complete compact construction tire range by adding 2 new wheel loader tire solutions to its lineup: the Camso WHL 775 and the Camso WHL 773 bringing performance, greater productivity, and lower operating costs.


The Camso WHL 775 is a high performance solution built to excel in severe conditions. Developed as a solution for harsh in waste, recycling, demolition and scrap yard applications, the Camso WHL 775 has an extra deep L5 lug tread for enhanced durability and protection against flats on extreme mixed and hard surfaces. The contoured lug base promotes material ejection and defends against cracking. Its robust carcass improves stability and with a heavy-duty sidewall construction that resists side impacts and deformation under heavy loads. This bias L5 tire is also especially relevant for those customers looking to flat proof their tires with urethane fill.

"We build and offer a wide range of products to operate in numerous niche applications and environments," says David Fleischhauer, executive director, Market Development – Construction at Camso. "Offering tires that last longer, reduce downtime and enhance productivity helps us bring a lower operating cost solution to our customers' fleets. These 2 new wheel loader tires will do just that," adds Mr. Fleischhauer.

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* Compared to the Cat® Fuel Guarantee Program fuel consumption guarantee levels as of November 2, 2015. Cat® is a registered trademark of Caterpillar. The Hitachi Fuel Advantage Program is available now through August 31, 2016.

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of construction equipment mobility issues and what is required to enhance productivity, the Camso WHL 773 is as tough as they come. It excels in the most rigorous and demanding jobsites. Its mono-block tread pattern provides optimal performance on hard surfaces and is designed to resist rubber chipping and chunking. A wide footprint ensures excellent stability in rocky abrasive conditions. Designed with a high lug-to-void ratio, the Camso WHL 773 provides tremendous durability and increased defence against tread impact.

By adding these job ready tires to its

compact construction lineup, Camso continues to gain recognition as the construction specialists with the right tire for any application.

Source: Camso

ENHANCEMENTS TO XYLEM'S FLYGT 2000 DEWATERING PUMP RANGE RESULT IN INCREASED DURABILITY AND SUPERIOR PERFORMANCE

Xylem Inc. recently announced enhancements to its market-leading Flygt 2000 drainage pump range. The new and improved Flygt pumps will offer customers

an even more reliable and robust selection of large and mid-sized drainage pumps engineered for the most challenging dewatering conditions and applications. Xylem will showcase the enhanced drainage pumps at Bauma, in Munich in April 2016.

Xylem's new 25 kW Flygt 2190 mid-sized submersible dewatering pump is built to handle tough, abrasives-laden liquids. The Flygt 2190 pump is available with 2 impeller options: the signature "Dura-Spin" safeguards against wear by sweeping abrasive particles away from the impeller neck while the semi-open impeller increases uptime by preventing fibrous solids from obstructing the pump. The pump's conical trim sleeve, a quick and easy to use impeller-adjustment feature, restores clearances to near-original condition boosting pump performance, while robust cable entry ensures safe, continuous operation. The new and improved Flygt 2201 shares the same proven technology as its robust and reliable sibling, the Flygt 2190, in addition to providing customers with a super-high head alternative with its two-stage hydraulics version.

Xylem's Flygt 2400 stainless steel pump, the first stainless steel-only pump in the Flygt 2400 series, provides customers in the mining sector with a durable, super-high head pump suitable for transporting chemically-aggressive mine water. Target ores such as gold, silver and copper are often rich in sulphide which, when exposed to water and air during the mining process, reacts to form sulphuric acid. The Flygt 2400 stainless steel drainage pump is designed to provide excellent wear-resistance for reliable and efficient dewatering in this demanding dewatering environment.

"Xylem's Flygt 2000 range offers customers a comprehensive suite of exceptionally robust pumps built for long life. These new and enhanced wear-resistant pumps are engineered to handle the most challenging liquids as well as being suitable for dry running and snoring operation. These highly efficient, low maintenance pumps are ideal for large and smaller scale jobs that require reliable, flexible dewatering solutions," said Kristoffer Kratz, Product and Application manager of Xylem's Dewatering business.

Source: Xylem Inc.

Xylem Water Solutions Deutschland GmbH

 A6.449

Pettibone's New Speed Swing 445F Is Designed for Multiple Rail Tasks

Updating the innovative design of the industry's original do-it-all rail crane, Pettibone introduces the Speed Swing 445F. Designed to be versatile for multiple railroad service applications, the 445F offers precise hydraulic engineering and ample power to lay rails, set ties, and perform numerous other tasks.



Powered by a 163 hp Cummins QSB4.5 Tier 4 diesel engine that offers fuel savings up to 10% over the previous model, the Speed Swing 445F features a Dana T20000 3-speed transmission with twist grip electric shift control that delivers exceptional torque. The machine has an impressive front load capacity of 4,535 kg and side load capacity up to 3,628 kg.

Operators can move the Speed Swing between jobsites quickly, traveling at 40 km/h on Hi-rail and 32 km/h with all-terrain rubber tires. The tires – along with 4-wheel drive with a rear wheel disconnect – also allow greater maneuverability off the rails to simplify most jobs. Four-wheel outboard dry disc service brakes provide sure stopping power.

Providing 180° boom rotation, the 445F is primarily used to thread out old rail and thread in new rail. An optional magnet package quickly cleans up old plates, spikes and small pieces of rail. The unit can also tow rail carts, move rail cars and supply air or hydraulics for hand tools.

Durably built for the challenges of the railroad, the Speed Swing is designed to simplify service and maximize uptime. A ROPS/FOPS tilting cab and tilt engine enclosure provide direct access to service points and machine components. Additionally, an engine block heater keeps the machine working reliably in cold weather conditions.

The spacious, climate-controlled operator cab includes a digital IQAN display module, full instrumentation panel and precise, pilot-operated controls. Tinted safety glass and a rearview camera help ensure safe operation at all times.

The Speed Swing 445F can be built to meet customer specifications for particular applications. Common options and attachments include a tote boom, hydraulic tool circuit, magnet package, AAR coupler, track cleaning bucket, load bucket, 6 m extendable boom, fork frame, backhoe, brush cutter, snowplow, and many more.

Source: Pettibone/Traverse Lift, LLC

 B3.119

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STANCOR SUBMERSIBLE PUMPS AND SYSTEMS NOW AVAILABLE THROUGH WAJAX INDUSTRIAL COMPONENTS

Wajax Industrial Components has added Stancor Pumps L.P. to its product portfolio across Canada. A leading designer and manufacturer of electric submersible pumps and controls, Stancor Pumps offers a variety of pumps designed for some of the harshest operating conditions that exist.

"We have customers who are asking

for durable and reliable electric submersible pumps in several different markets," said Rick Byers, Business Development manager for the Fluid Handling category at Wajax Industrial Components. "Stancor Pumps are fully qualified to provide both standard and customized systems to meet virtually any customer's specification."

"We chose Wajax Industrial Components based on their extensive experience in the industrial pump market and their superior customer solutions," said Phil Nelson, Dis-

tribution sales manager at Stancor Pumps. "They provide superior coverage and have a great reputation in the industry."

"Stancor and Wajax engineering groups will help customers design the right controls and pumps for their applications, ensuring they get exactly what they require," said Mr. Byers.

For dewatering, Stancor pumps and systems are dedicated to providing effective and specialized solutions. These applications include heavy-duty slurry pumps, sump pumps, low-suction drainage pumps, multi-purpose sump pumps, stainless steel centerline dewatering pumps and non-clog effluent pumps.

Stancor's Avenger line of wastewater-effluent pumps offer an economical and reliable way of handling wastewater, effluent and industrial waste. Some models are constructed of lighter weight alloy, while other models are in cast iron or stainless steel construction. Semi-recessed vortex impellers on the SE and SV pumps, as well as the SEW vortex series, handle solids up to 50 mm. The SC version is the "cutter" design for sewage applications. All motors in this series are 3,600 rpm, giving this line excellent performance in higher-head applications. They are available as freestanding pumps or with guiderail assemblies for quick removal.

Source: Wajax Industrial Components

BAUER Spezialtiefbau Constructs Mixed-in-Place Elements for Luxury Resort in Montenegro



The bay of Kotor in Montenegro is a UNESCO World Heritage Site. At the entrance to the bay, Azmont Investments d.o.o. is building a luxury resort with a 5-star hotel of the group "One & Only" and high quality villas, apartment houses, clubs, cafés, restaurants and shops. At an area of approximately 27 ha and a coastline of about 1.7 km, a 5 building complex with a built-up area of in total approximately 135,000 m² will be constructed. As the subsoil of the project area mainly consists of loosely deposited, fine-grained, non-cohesive soils and those at high risk for soil liquefaction in case of an earthquake, Azmont has decided together with their international designers and experts, to improve the subsoil below the objects and commissioned BAUER Spezialtiefbau GmbH to execute the necessary soil improvement works.

To do so, the patented Bauer Mixed-in-Place method was chosen. 123,000 m² Mixed-in-Place elements (individual elements and walls) with lengths up to 23 m and a wall thickness of 0.55 m are installed into the subsoil. These elements improve the strength and the average elastic modulus of the soil and prevent soil liquefaction in case of an earthquake.

The entire works are executed by a BAUER BG 40 and a RTG RG 25. Under the lead management of the Austrian subsidiary BAUER Spezialtiefbau Ges.m.b.H., the works started in March 2015, having a construction period of 8 months.

Source: BAUER Spezialtiefbau GmbH

Photo: In the bay of Kotor, Montenegro, Bauer constructs 123,000 m² Mixed-in-Place elements with lengths up to 23 m. © BAUER Group

NEW INTELLIGENT SYSTEM TRANSFORMS PIPE NETWORKS INTO THE SMARTNET OF THE FUTURE

Water is a resource of fundamental importance and must be treated with prudence and care. The sustainable use of water is a subject that first and foremost involves water suppliers. It is becoming clear that we are facing a shortage of clean drinking water in many parts of Europe. And the infrastructures of the water supply stations are often outdated. Pollutant levels in water are also rising – currently a widely discussed topic due to increased health consciousness. The new sensitivity regarding the resource of water is reflected in increasing regulation intended to protect this valuable raw material. In the past, quality parameters for drinking water were



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only measured in the untreated water, at the water plant and after treatment. Today, however, data from the entire infrastructure right up to the domestic connections are of interest and importance. Pipes, valves, hydrants and cast components are therefore becoming intelligent interfaces for data collection and control systems.

With its new, highly innovative SMART-

NET products and services, vonRoll hydro is introducing intelligent technology to water supply networks. The present and future requirements for resource protection, safety and quality are perfectly fulfilled in an impressively simple and low-cost way. The SMARTNET components can easily be incorporated into today's water supply systems. A secure water supply for the future

is ensured using state-of-the-art sensor systems, data transmission technologies and visualisation tools.

The modular design and fully integrated system uses the visualisation and control software HydroPort 3.0 to transform pipe networks into the SMARTNET of the future. HydroPort is based on Google Maps (or alternative map systems) and provides those responsible with an overview of the current state of their infrastructure in a remarkably simple manner.

SMARTNET is not only the basis for a safe water supply for the future, but also a key element for the optimization of a cost-effective operation. Adjustments and modifications can be efficiently planned and monitored thanks to SMARTNET collecting all the necessary information. All SMARTNET components are SWISS ENGINEERED – for the highest quality and best value for money.

"With SMARTNET we have created the basis for the water supply of tomorrow. As an innovative company, we develop and produce the excellent sustainable products and services that our customers expect from us. Here we can draw on a wealth of experience gained over many years. This is why vonRoll hydro is also known for its practical solutions and there are often attempts to copy us," said Christoph Dietiker, head of marketing at vonRoll hydro. "We know everything about water provision and we use this knowledge to actively shape the future. And with SMARTNET, we have an intelligent, fully integrated system that allows you to perfectly meet tomorrow's challenges today."

SMARTNET will be available from the second half of 2016. The system will be presented at IFAT in Munich, Germany, May 30 - June 3, 2016, using, among other things, a fascinating simulation in "real-time".

Source: vonRoll hydro
vonRoll hydro (deutschland) gmbh
IFAT A4.245/344

Selix Equipment to Sell Lintec Asphalt and Concrete Mixing Plants

Lintec GmbH, manufacturer of asphalt and concrete mixing plants, is pleased to announce that an agreement has been made with Selix Equipment Inc. of Ottawa, Ontario, for the sales and service of their mixing plants.

Lintec, with over 70 years of experience in the industry, is the first to realize that high quality in machinery does not only come from high quality material production, but can also arise from a clever plant design. Therefore, back in the 80s the decision was made to adopt modular construction using only 100% ISO-certified sea containers for easy transportation to the job site and a fast erection of the asphalt and concrete mixing plants.

When talking about mobility, the container structure can be the key argument in the actual investment decision. The transport of heavy machinery often requires permits, escorts and complicated logistics, which increase substantially the cost of a move. "The freight costs when purchasing a new plant from Lintec have been found to be around one fifth of other manufacturers for comparable sized plants in conventional design," says Jean-Paul Aubé, sales manager at Selix Equipment.

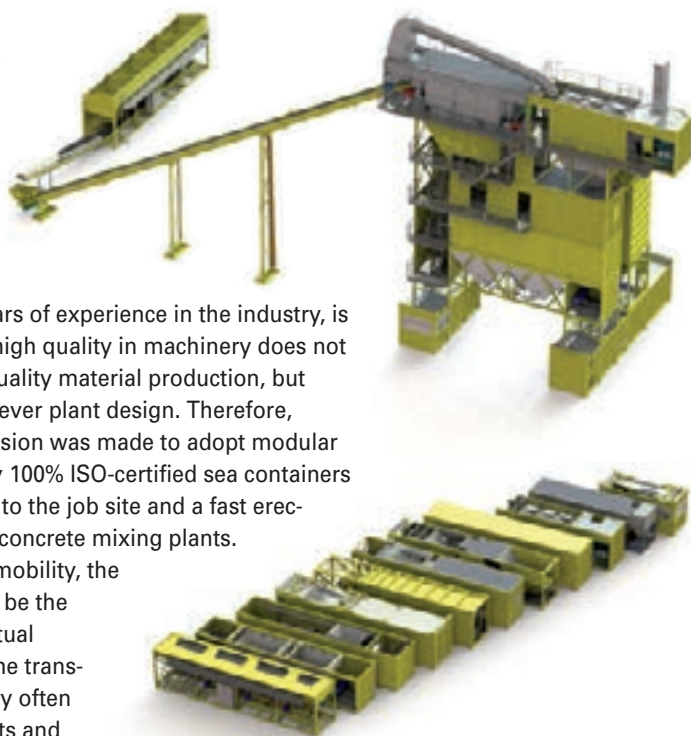
Savings can be found not only in the initial transport costs, but also, and especially, in the field. The possibility to easily relocate the plant can be a crucial advantage when the distance between the production plant and the work site pose problems.

With a Lintec plant, there is no need for permissions to transport containers. Relocating decisions can be made quickly and by on-site personnel reducing costs and time for new site preparations, erection and dismantling. The plant design using containers eliminates the need for concrete foundations – in most cases compacted ground is sufficient. Furthermore, container handling is easy. A crane for erection or dismantling is only needed for about 20 hours, enabling the relocation of an operational Lintec plant within a week.

The mobility of heavy machinery can grant strong benefits in the construction business. It can enable contractors to better utilize their asset, allocating resources where capacity is in demand. In addition, the Lintec container concept is focused on sustainability with energy efficient and with an environmental sound design.

Source: Selix Equipment Inc.

LINTEC GmbH & Co. KG



Boeing FS.1211/1





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Contact Hercules Machinery today for more information about pile driving equipment and the Sonic SideGrip® at 800-348-1890.

Over the past 17 years, Hercules Machinery Corporation (HMC) has developed and enhanced the Sonic SideGrip®. With this knowledge and expertise gained over the last 17 years, HMC has been able to bring value and superior service for their customers. Heneault Gosselin, Inc is one of HMC's customers that has seen first hand the value that the Sonic SideGrip® can bring to the company.

After purchasing the Sonic SideGrip®, Heneault Gosselin was able to tap into a new market exposing them to new opportunities and jobs than they had done in the past. While specializing in rebuilding existing foundation, Heneault Gosselin has now been installing piles for new construction in Eastern Canada. The Sonic SideGrip® has provided the ability to build on ground never considered before. Before, Heneault Gosselin was using a hydraulic hammer could do 4-5 piles in the amount of time that they now can do 20-25 piles using the Sonic SideGrip®. Peter Tobin, at Heneault Gosselin, has expressed how the Sonic SideGrip® has not only provided efficiencies in job performance but also an opening in a new market resulting in new opportunities to win bids and complete jobs that they could not have before.



CALL: 800.348.1890 | ONLINE: HMC-US.COM

McCloskey Launches Fuel Hub Portable Fuel Storage Tanks

In response to customer demand, McCloskey has introduced the Fuel Hub product line – secure, environmentally friendly, transportable bundled tanks that allow for fast, efficient refueling at work sites around the world.

The new Fuel Hub is available in 8 sizes with capacities ranging from 450 l to 10,000 l and are perfect for use in a broad range of industries and on any terrain. Along with features to suit the unique needs of each project, the durable galvanised base frame and hatch plates ensure McCloskey Fuel Hub is suited for rugged conditions, whether on construction sites, in quarries or mines.

McCloskey's fuel tanks have 110% bundled capacity, ensuring compliance with environmental standards and ensuring they are PPG compliant. They feature an easily removable inner tank and outer lid for maintenance, cleaning and quick bund area viewing.

Fuel Hub tanks feature primary and



secondary manway access for speedy fuel connections.

Equipped with 3 letter box openings for convenience and neat hose and cable entry, these openings also offer extra security on site as the tops can be left closed and locked while in use. The 2 hatch plates are uniquely positioned on the McCloskey Fuel Hub range of tanks and are designed to allow the user true ease of handling.

The primary hatch plate doubles up as an access manway and the secondary smaller hatch plate is designed and positioned to fit the user's desired onsite usage requirements.

Unlike other tanks, the outer top lid has a 6° pitch running down its center to allow for rain and dust regress. It is fully removable to allow for full access to the bundled area, allowing the inner tank to be

Hitachi Introduces ZX130-6, ZX160LC-6 and ZX180LC-6 Excavators with T4f Engine

Hitachi Construction Machinery – Americas has upgraded 3 models of its successful excavator line to meet EPA Tier 4 final (T4f) emission standards. The ZX130-6, ZX160LC-6 and ZX180LC-6 are equipped with a powerful Isuzu engine complete with integrated, effective engine technologies and do not require a diesel particulate filter.

With the introduction of these machines, all 5 excavators in Hitachi's utility excavator line, which is designed for contractors working in the underground, road building, energy, commercial building and pipeline industries, are now T4f-compliant. The ZX210-6 and ZX210LC-6 models were upgraded in July of last year.

The Isuzu engines employ cooled exhaust gas recirculation (EGR), a diesel oxidation catalyst (DOC) and selective catalytic reduction (SCR). Diesel exhaust fluid



(DEF) is injected into the exhaust stream of the engine, runs through a catalyst, and turns the NO_x in the exhaust into harmless water vapor and nitrogen gas. The EGR is specifically tuned to further reduce NO_x (compared to EPA Tier 4 interim (T4i) to meet new emission standards with minimal use of DEF. Additionally, an improved piston design allows particulate matter to

be burned in cylinder, so there is no need for a diesel particulate filter (DPF).

The ZX130-6, ZX160LC-6 and ZX180LC-6 come with an optional auxiliary function lever that provides proportional control for auxiliary hydraulic attachments to help improve productivity on the jobsite.

Source: Hitachi Construction Machinery Co.

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completely independent of the outer lid.

The Fuel Hub is highly maneuverable and certified to be lifted when full (up to FH-4500L), and features bidirectional forklift pockets, internal baffles and 4 galvanized lifting hooks uniquely positioned to ensure balance for safe and easy handling. With



its galvanized hex corners, the Fuel Hub is also space efficient, and can stack on site, inside of shipping containers and across truck beds 2-high when full or 3-high when empty.

With all connections, ports, hoses and

nozzles housed within the tank's containment area, and the 110% tank capacity, the Fuel Hub environment-friendly, and has certifications across a broad range of industries worldwide. These include: UL 142, ULC S601, ULC 653, Transport Canada CGSB 43.146-2002, TSSA B139ON-2006, AS 1940, AS 1692, PPG 2 & PPG 26 compliance and BS 799.

A full line of accessories are available for the Fuel Hub tanks, including flow meters, tank alarms, pumps, nozzles, hoses, reels and tank level gauges.

As an industry-leading equipment manufacturer, McCloskey brings a unique understanding of customer demand for a productive and profitable jobsite across all sectors. The new Fuel Hub tanks deliver efficiency and versatility, refueling equipment on any work site.

Source: McCloskey International Limited



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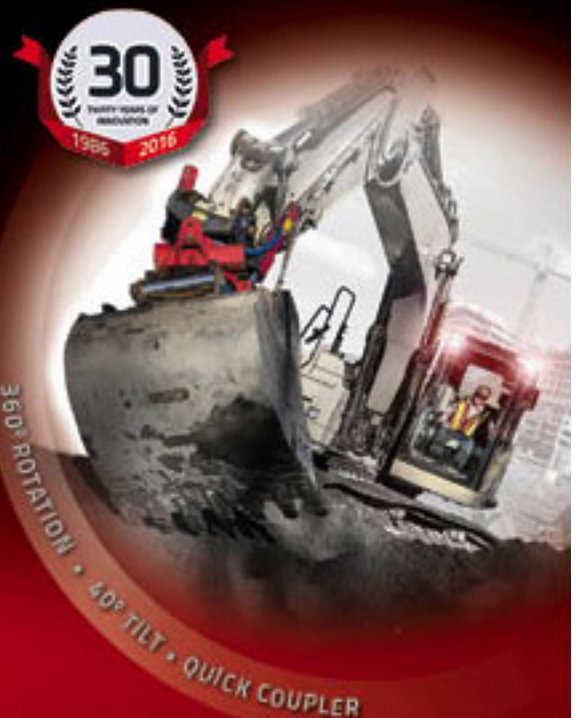
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Superior Enters Crushing Equipment Market

Superior Industries, Inc., a major U.S. manufacturer and global supplier of bulk material processing and handling systems, debuts their brand new Patriot™ Cone Crusher, marking a major milestone for the company's new crushing and screening division. The high-performance cone is the manufacturer's first entry into crushing technologies for bulk processing applications.

"In the months leading up to the launch of our first crusher, we have worked hard to arm ourselves with a group of bright, experienced crusher service and parts professionals to provide our customers with world-class support," says John Garrison, director of Crushing and Screening at Superior Industries. "In addition, each Patriot Cone Crusher will be backed by the industry's first 2-year standard warranty and is manufactured in the United States at our new Pekin, Illinois-based factory."

Besides a strong commitment to service and convenient access to wear parts, the

Patriot Cone Crusher will be recognized for rugged structural integrity and high-grade components to extend service life. Internally, bronze sleeve bearings are used for all moving components that are load bearing or perform load transmission (including countershaft bushings, thrust bearings, head and eccentric bushings and socket liners). In addition, these critical components are cast of high-grade steel, which typically exceeds standards for conventional cone crushers.

Superior says engineers uniquely designed high throw and high-pivot point crushing performance to achieve strong production rates at a low cost per ton.



Mobile applications will appreciate a readily mounted design for transportation on a cone/screen chassis.

For protection from costly structural

Full Suspension Hauler Makes Good Impression on Italian Quarry

Set between the city of Milan, Italy, and the border of Switzerland is Cucciago, a village with a population of about 3,000. Dominating its 5 km² is a 350,000 m² quarry – the largest in the province. Boasting an ancient history, its geology can be traced to the great Alpine glaciers, which, on several occasions over the last 5 million years have descended the valleys of Lake Como, forming the layers of sediment that are visible today.

The quarry's most recent history, spanning the last 50 years, has been carved out by quarrying company Italcave. As with all quarrying operations, productivity weighs heavily on profitability. To increase its efficiency and operator comfort, while at the same time reducing machine maintenance costs, Italcave has looked to Volvo CE for support. Having already acquired a dozen Volvo CE machines, the company added its 3rd articulated hauler – the Volvo A40F-FS – to its fleet.

"Since establishing our partnership with Volvo CE Italy many years ago, we've

continually added more machines to our growing fleet," says the company's Dr. Sergio Pines. "As soon as we heard about the Volvo A40F-FS articulated hauler's availability, equipped with Full Suspension (FS),

we decided to do more research. Our findings, coupled with the respect that we have for operator comfort and its impact on jobsite productivity, convinced us to purchase the machine."

Italcave provides complete solutions for the excavation, production and supply of sand and gravel, as well as filling, demolition, transportation of materials and recovery of demolition materials in Cucciago and the wider region. The company also deals with the manufacture and sale of ready-mixed cement, produced from



quarry aggregates in its onsite plant. The facility is also used to process and recycle demolition materials for civil, industrial and road construction.

The A40F-FS articulated hauler is fitted with a full suspension, offering enhanced stability for higher average speeds, leading to shorter cycle times and increased productivity on the quarry's tough terrain.

"We're very pleased with how the fully hydraulic suspension system stabilizes the machine, adapting well to the bumpy terrain and steep inclines, all to the benefit

Atlas Copco Launches Redesigned Dynapac Website

damage, each Patriot Cone Crusher is equipped with fail-safe hydraulics to defend the unit against damaging mechanical overload. Additionally, standard relief valves within the dual acting tramp release cylinders provide immediate, alternative protection should the accumulator fail. Engineers also developed overload sensing technology. In the event of force overload, a simple alarm can activate or optional advanced sensing technology will automatically take the necessary corrective action. This same automation can control the feed rate to optimize performance, adjust other settings and monitor critical lubrication and hydraulic parameters.

Models include units for 200 to 500 hp operating conditions and production rates up to 730 t/h.

Source: Superior Industries, Inc.



Atlas Copco Construction Equipment recently launched its redesigned road construction equipment website, Dynapac.com. The new site gives contractors and dealers an easily navigable, one-stop source for information and support for its complete line of compaction and paving equipment. In addition to browsing product information, visitors can complete a wide range of tasks, from finding used equipment and training materials to ordering brochures, manuals and parts.

Dynapac.com gives users access to Atlas Copco's Construction App and Shop Online system. Atlas Copco's Construction App combines social media content, product information, and videos they can view anytime, anywhere. The app works with Apple and Android devices. The Shop Online program is a one-stop-shop for contractors, dealers and rental center managers to place and track parts orders.

The website also makes it easy for visitors to learn more about Atlas Copco products and support.

Source: Atlas Copco Construction Equipment



of our backs!," says Italcave operator, Giuliano Frison.

The machine also features self-compensating, hydro-mechanical steering, providing a short turning radius and improved maneuverability, offering the operator equal measures of comfort and precision.

The hauler is designed to work in harmony with its purpose built Volvo D16 V-ACT engine, transmission and axles. These features, when combined, contribute to greater fuel efficiency, higher productivity and speed of response. The electronically controlled 6-cylinder turbocharged diesel engine complies with Tier 4i emission standards and is optimized to help the hauler achieve maximum performance on the quarry's often challenging terrain, boosting productivity.

Additionally, driveshafts, planetary gears and bearings are reinforced to withstand higher torque, making the fully automatic transmission a perfect match for the heavy-duty engines.

Not only are they built in a CO₂ neutral



factory, the FS full suspension articulated haulers are also more environmentally-friendly and efficient than their E-series predecessors.

Maintenance is simple and easy, thanks to a front folding grille that doubles as a service platform with anti-slip steps. The engine cover can tilt up to 90° to facilitate access to the engine compartment, making reaching for service points, changing filters

and cleaning the cooling package quicker and easier. Without requiring daily or weekly greasing, the machine is easier to maintain and ensures maximum uptime.

Source: Volvo Construction Equipment



Volvo Construction Equipment North America LLC



Caterpillar Adds New High-Production B-Series Tandem Rollers to the Paving Products Machine Family

Caterpillar Inc. announces the addition of the new high-production B-Series Tandem Vibratory Rollers that include the CB64B, CB66B, and CB68B models. These machines are 12 to 14 t compactors that feature wider drum widths, high-flow water spray system, increased operator comfort, and enhanced technology to help operators and machines perform at higher levels. Many of the technological enhancements are offered through Cat® Compaction Control. They include Auto-Adjustable Compaction (AAC), Pass-Count and Temperature Mapping, Machine to Machine Communication, and Compaction Meter Value (CMV).

Simple operation and optimized compaction help contractors lower costs. Auto-Adjustable Compaction optimizes compaction by delivering the highest amplitude possible without decoupling or overcompacting. The technology includes both the front drum and rear drum – a Cat exclusive. This unique system is able to adjust through the full range of amplitudes in as little as 4 seconds for excellent performance and uniform compaction throughout the mat.

Pass-Count and Temperature Mapping systems provide real-time visual references of the passes made and asphalt mat temperatures present. Distractions, fatigue, multi-tasking, and nighttime operation can affect how well an operator executes the rolling pattern on an asphalt mat.

Where did I stop on the previous pass? Did I go back far enough on the return pass? Did I provide enough overlap on the previous pass? Is the mat temperature too hot, too cold? These are just a few questions that operators may have throughout the day. By utilizing Cat Compaction Control technology, second-guessing can be eliminated.

Machine to Machine Communication system helps keep rolling patterns in sync by sharing coverage and pass-count maps between the operating displays of multiple machines. By viewing the color display, operators can monitor areas of coverage and the number of passes made. If a trailing operator sees an area of missed coverage, they can easily pick it up to ensure the entire rolling pattern gets the

attention that is needed. This system is extremely helpful when performing echelon compaction when multiple machines are executing 5 or 7 pass rolling pattern.

Compaction Meter Value (CMV) technology uses a drum-mounted accelerometer to measure and record forces of the vibrating drums. A calculation derived from the recorded forces is used to create a unit-less value that provides an indication of stiffness. This unit-less value calculation is referred to as a “composite stiffness value” that indicates stiffness of the current and supporting layers beneath the drum. The system is capable of utilizing RTK level accuracy to provide the highest level of Global Navigation Satellite System positioning (GNSS) and is able to correlate compaction, frequency, and pass-count data to specific location.

The Cat C4.4 ACERT™ engine meets U.S. EPA Tier 4 final emissions standard and provides 142 hp of power. Automatic Eco-mode operates at a variable engine speed to deliver excellent fuel economy and lower sound levels.

Visibility and comfort are enhanced by the standard 180° seating and optional 360° positioning. New handwheel steering technology eliminates the front steering console, enabling the operator to easily



monitor water spray performance. An LCD display and push-button controls simplify operation for an all-around comfortable operating environment.

These models feature a newly designed center-articulating hitch with 6° of oscillation that ensures mat contact and a smoother ride over uneven surfaces. An offset hitch option extends coverage up

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to 170 mm and simplifies control next to obstacles. It delivers excellent performance on longitudinal joints by pinching the edge with the lead drum and sealing the joint with the trailing drum.

The CB64B is equipped with 2.0 m drums, while the CB66B and CB68B utilize 2.1 m drums. The B-Series tandem rollers offer a variety of vibratory options including dual amplitude, dual frequency, Versa Vibe™, and 5 amplitude systems. The Versa Vibe™ system creates a 2-in-1 machine with 4 amplitudes and 2 frequencies. This versatile system provides 2 settings for lighter hitting and higher working speeds on thin lifts; and 2 settings for heavier hitting, and slower speeds, on thick lifts or those with challenging mixes. The 5-amplitude system offers the widest range of amplitudes with a single frequency.

Reliable water spray systems are needed to keep rollers on the mat and on pace with the paver. The high-capacity system



on these models are designed with dual spray bars, dual pumps, triple filtration, adjustable intermittent operation, and an optional freeze protection kit.

The dual pumps provide backup capability and alternate with the direction of travel to maximize service life. Clogging is prevented through filters at the fill point, water pumps and spray nozzles. The adjustable

intermittent mode conserves water and minimizes refills for optimal efficiency. The optional freeze protection kit helps ensure the roller is ready when you need it.

Source: Caterpillar Inc.

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The Bomag BMF 2500 Feeder for Greater Paving Efficiency

Bomag has added a series of feeders to its paving product range. The new machines are built in industrial cooperation in Germany, and fully supported by Bomag via the usual processes in the areas of sales, application consulting, service and spare parts. The BMF 2500 feeder produces uniform and constant delivery of the mix to the asphalt paver, which reduces paving times and improves the quality of finished work. The BMF 2500 is available in 3 models, including the BMF 2500 model that will be on display at Bauma 2016 with a medium-length fixed belt.

On asphalt work, constant material feed from the screed and uniform precompaction of material are the most important factors for high quality paving. Feeders optimize material delivery by quickly processing the incoming material from the truck and conveying it at a constant rate without contact with the paver.

Outstanding features of the new Bomag



Using the slewing offset conveyor belt, the BMF 2500 can feed 2 asphalt pavers alternately. The belt can be fitted on site as required, for added flexibility. (Picture: Bomag)

BMF 2500 feeder are its high output and compact design. Theoretical output is 4,000 t/h, which means the unit can handle a 27 t truckload of crushed rock, sand or asphalt in only 35 seconds. At the same time the vehicle width of only 2.55 m is narrow enough for transport without special permit. EcoMode reduces the engine speed depending on the job requirement and so saves fuel.

The conveyor belt on the Bomag BMF

2500 feeder has a width of 1.2 m and gives optimum material flow with minimal segregation. In addition, the rubber belt is mounted on metal struts. These prevent the belt from stretching with hot asphalt. Retensioning the belt is no longer necessary and material feeding becomes safer. The BMF 2500 has a large material hopper with individually controllable wings for quick discharge and slewing bumper rollers to safely dock the supply truck.

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The base model BMF 2500 feeder can be supplemented with a slewable belt. The slewing belt allows lateral feeding. This way, one machine can supply 2 pavers. The offset belt can be readily mounted and removed. When not needed, the belt can be quickly removed and unnecessary wear is avoided.

Distance sensors allow the BMF 2500 to be operated fully automatically. Automatic steering using a guide wire is available as an option. The machine stays on course while the operator concentrates on the delivery truck. The seat can be swivelled out by 90° which allows clear visibility to the front and back. A second station for



an operator at ground level is located on the side wall. A weather-proofed laptop docking station is also provided.

The Bomag BMF 2500 feeder is available in 3 versions. BMF 2500 S is the base model. This unit can feed all pavers and can be supplemented with a slewable offset belt. The BMF 2500 S Offset, on the other hand, offers the slewable offset conveyor belt as standard. The BMF 2500 M has a longer, height-adjustable conveyor belt. This model can feed high additional paver hoppers.

BOMAG is global market leader in compaction technology. The company, located in Boppard, Germany, has been part of the FAYAT Group since 2005, and produces machines for soil, asphalt and refuse compaction as well as stabilizers/recyclers, milling machines and pavers.

The company has 6 branches in Germany and 12 independent subsidiaries worldwide. More than 500 dealers in over 120 countries provide BOMAG global sales and service.

Source: BOMAG

 2542
FS.1008/1

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Cut Your Set-Up and Teardown Time in Half with Thor Global's Hammer Axle™

Thor's Fold Up Hammer Axle™ is simple and unique as the main cylinders meet at a common pivot point at the center of the head undercarriage, reducing stresses on the overall structure of the machine.

Select models of ThorStacker™ and ThorLoPro™ conveyors have been redesigned to accommodate the new Hammer Axle™ design. Both outriggers sit on a walking beam to provide balanced pressure to ground on unlevel terrains. Adjust the main cylinders to compensate for minor slope variations and maintain a smooth radial mo-



tion. Walking beams have also been added to both transport axles on all Hammer Axle™ stackers for improved onsite mobility.

Thor's Fold Up Hammer Axle™ has the widest radial footprint in the industry providing greater structural stability. Standard features of the Hammer Axle™ include electric drive, VFD for smooth travel and all terrain tires that work well in rough terrain. Optional OTR tires for more serious conditions available on request. Additional safety features include a check valve to ensure no hydraulic creep occurs while in operation.

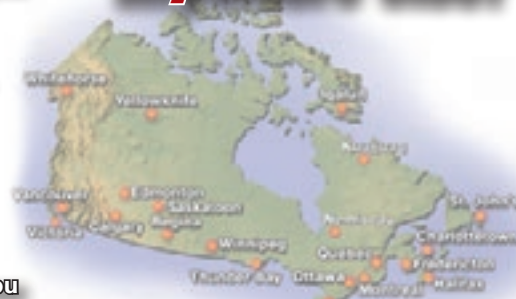
Thor's Fold Up Hammer Axle™ is currently available on all 91 cm telescopic conveyors up to 45.7 m.

Source: Thor Global Enterprises Ltd.

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First WOLFF in Manhattan

One World Trade Center was opened in Manhattan last year. At 541 m high, it is the tallest building in the U.S. and the main building of the new World Trade



Three World Trade center is expected to be completed in 2018 at 329 m, making it one of the 10 tallest buildings in New York. Construction on Two World Trade Center is also currently ongoing. Already completed are Seven World Trade Center (228 m), Four World Trade Center (297 m) and since 2014, One World Trade Center (541 m). The buildings accommodate mainly offices, but also include shops and restaurants. The skyscrapers on the World Trade Center site, referred to as "Ground Zero", create a frame around the 9/11 Memorial, which was opened in 2011.

Center complex, which once completed

will include 5 skyscrapers. In the summer of 2015, Federated Crane Co, LLC set up a WOLFF 700 B US at Three World Trade Center (3 WTC) on behalf of the responsible steel construction company. The powerful luffing crane is the first WOLFF crane in New York City and convinces with a compact design and modern drive technology.

Construction work on the 3 WTC already started back in 2010 with the building of the foundation and a part of the reinforced concrete inner core accommodating elevators, staircases and supply lines. The WOLFF 700 B US, equipped with a 55 m jib and an additional 5 m fly-jib, is expected to be in use until mid 2016, lifting steel columns and girders for the outer shell of the skyscraper.

Although a standard construction method



in modern high-rise construction, the WOLFFKRAN team was faced with the challenge of having to position the crane extremely close to inner core. With the construction of the core always several floors higher up than the outer shell, a crane with a very small tail swing was required in order for it to rotate freely. The WOLFF 700 B US, already equipped with a very short counter jib, was therefore specially adapted for this project with an even shorter counter jib of 7.4 m. The WOLFF will rise with the building to a height of approximately 300 m by means of an internal climbing mechanism.

In addition to its compact construction, the customer opted for the WOLFF 700 B US because of its electric drives paired with high lifting capacities and working speeds. With safety and efficiency regulations for cranes having become considerably stricter in New York City in the recent past, contractors and rental equipment companies are more often opting for modern electric tower cranes rather than the conventional diesel-powered cranes. The WOLFF 700 B US impressively proves that this does not affect the performance of the crane. With a lifting capacity of 48 t and a line speed of up to 190 m/min, it is ideally suited for the job on the 3 WTC site, where it has to lift tons of steel and prefabricated components up to 350 m. It is further equipped with a fly-jib lifting 7.25 t and a working speed of up to 140 m/min.

Source: WOLFFKRAN International AG

FS.902/7

Linden Comansa and BKL Team Up Again for Bauma 2016

Tower crane manufacturer Linden Comansa and German dealer BKL Baukran Logistik GmbH will exhibit together at Bauma 2016 in Munich, Germany, from April 11 - 17, 2016. It will be the second time that both companies present their products and services at a common space at the New Munich Trade Fair Centre, after the successful experience at the last edition of Bauma.

In 2016, Linden Comansa and BKL will share a total area of 784 m² where some tower cranes from Linden Comansa's wide range will be showcased. BKL will show a selection of its products and crane-related services in a welcoming atmosphere.

BKL Baukran Logistik GmbH is one of Europe's largest crane rental, sales and service companies with more than 350 tower cranes and nearly 50 mobile cranes in its fleet. Headquartered in Munich, BKL is represented by further branch offices in Ingolstadt, Frankfurt and Hannover.

Source: Linden Comansa



Part of the Linden Comansa booth at Bauma 2016

FS.1103/1

Synergies Between 2 Major Events Dealing with the Common Issue of Mobility

Interoute&Ville, organized by Com-exposium, and Transports Publics 2016, organized by the GIE Objectif transport public created by the GART and the UTP* will be held together in order to present complementary offerings to road professionals and stakeholders in sustainable mobility.

INTERROUTE&VILLE: SOLUTIONS DEDICATED TO THE ROAD COMMUNITY

Amidst a number of mobility-specific events, this new edition will play host for 3 days to the entire road building and maintenance community, prime contractors and contracting authorities, in search of suppliers of equipment, materials and know-how for the design, construction, operation and maintenance of road and multimodal infrastructure.

Over 6,000 decision-makers, purchasers and specifiers are expected to attend this edition.

The French Institute for Roads, Streets and Infrastructure for Mobility (IDRRIM) will also be holding its 3rd congress alongside Interoute&Ville.

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Transports Publics, the European Mobility Exhibition, is the not-to-be missed biennial exhibition for all the key players in public transport and sustainable mobility from across Europe. Over 10,000 highly qualified participants come together over 3 days in Paris to discuss the latest innovations for urban, interurban and regional transport, as well as green mode transport.

Transports Publics is recognized as the leading European showcase for innovations in equipment, services and policies

relating to the entire mobility sector, bringing together leading European decision-makers from transport and politics from more than 58 different countries.

Interoute&Ville and Transports Publics 2016 will be held in Paris, France, June 14-16, 2016.

Source: Comexposium

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A New Liebherr 710 HC-L Luffing Crane Is on the Job in NYC

The first Liebherr 710 HC-L 32/64 Litronic luffing crane has recently been erected on the MoMA Tower jobsite in New York City (NYC), New York and just started its work. Together with a second 710 HC-L, that will be delivered mid 2016, the tower cranes help to build the 76-story building in Midtown Manhattan. With a height of 320 m, the skyscraper will be one of the highest buildings in the city. Both cranes are leased

contractors in high-density urban environments. The company leased two 710 HC-L luffing jib cranes from Morrow's New York District. The first crane was erected within 17 hours of delivery to the jobsite keeping Sorbara on schedule and under budget for this phase of the project. This crane will have a 45 m working radius and will climb to 131 m.



The second 710 HC-L crane will be erected during the summer of 2016. This luffing jib crane will have a 60 m working radius and will climb to 216 m. This crane will be mounted on a platform outside the building on the 20th floor and top climb to a height of 320 m. The first crane will be used to erect the

from the North American Liebherr dealer Morrow to the contractor Sorbara Construction, of Lynbrook, New York.

MoMA Tower is one of New York's most anticipated building projects this decade, with its innovative design, structural features and location. It is fitting that the crane used to build that tower is the Liebherr 710 HC-L, the lift equipment industries highly anticipated luffing jib tower crane that premiered in North America in late 2015. Sorbara Construction was awarded the high-profile project and sought Morrow's expertise and innovation in tower crane services to bring this job to final completion.

Morrow provides Sorbara with support, planning, crane erection assistance and field services.

Sorbara was looking for a high-capacity tower crane that featured fast load cycles, a low external profile, and clean operation. The 710 HC-L arrived in North America just in time to meet the expectations of

second crane and when the first crane has completed its tasks, the second crane will dismantle the first crane.

Located at 53 W 53rd Street, the MoMA Tower will stand 76 stories and house 139 luxury apartments. The 710 HC-L will be integral in the construction of the tower, helping place 6,675 t of reinforcing steel and 37,348 m³ of concrete. When completed, MoMA Tower will bring 628,025 m² of mixed-use space to downtown Manhattan.

World-renowned architect Jean Nouvel's design will be a masterpiece that integrates with the Museum of Modern Art located next door. This integration extends into the Tower where 3 floors are to be designated as MoMA art gallery spaces. General contractor Sorbara is well known in New York for concrete superstructures; 1 World Trade Center Freedom Tower, AOL-Time Warner, 7 World Trade Center and Hearst Headquarters among other projects.

Together the MoMA Tower and Liebherr 710 HC-L will rise above New York's skyline



in a graceful embrace of design, form and structure.

"We are impressed with the Liebherr 710 HC-L. We are very confident that the combination of Morrow Equipment and Liebherr along with the 710 HC-L will help us complete this prestigious project on time," said William Kell, Sorbara chief estimator.

Morrow service technicians erected the Liebherr 710 HC-L in NYC for Sorbara Construction on the MoMA Tower project within 2 days.

Source: Liebherr-Werk Biberach GmbH

Liebherr-International Deutschland GmbH



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Liebherr-Canada Unveils New and Improved Facilities

Both the newly built, state-of-the-art mining remanufacturing facility in Acheson, Alberta, along with the expanded facility in Burlington, Ontario, represents a \$24 million further investment in the Canadian marketplace during 2015.



Paul Robson and Tim Petersen, Managing Directors of Liebherr-Canada Ltd.

Within the new premises Liebherr-Canada Ltd. has invested in a major component remanufacturing facility which will service all of North America for primary Liebherr components and mining parts. The new Burlington branch also features a completely new equipment painting facility with an electrostatic paint system that eliminates overspray. An extensive central parts warehouse will connect seamlessly with the other 11 Liebherr locations across Canada and the rest of the world.

Liebherr remains focused on supporting customers locally in Canada with providing high quality, market leading, and consumer focused products. Most importantly, the ongoing Liebherr investment supports its established relations as a solid business partner to Canadian customers in a market which Liebherr-Canada Ltd. has successfully represented for more than 40 years.

Recently Tim Petersen was further appointed as managing director within the managing board of directors of Liebherr-Canada Ltd.. He joins Paul Robson on the managing board of directors and will draw upon his many years of dedication and experience to help steer the business




Liebherr-Canada Ltd. Burlington Headquarters

operations. Together they will lead the expanding business and work in conjunction with the motivated and dedicated team of more than 330 employees to support customers locally in Canada with their quality Liebherr products. Liebherr

looks forward to a continued long-term successful business in Canada.

Source: Liebherr Canada Ltd.

Liebherr-International Deutschland GmbH

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Revolutionary Design Reduces Up to 90% of Installation Time

With the first-of-its-kind angled support pedestal, Timken® Revolve Quick-Fit™ split cylindrical roller bearings now make installation even easier for change-outs where access is limited. The totally new design can reduce installation time up to 90%, and in many cases, one person can complete the installation.

Timken launched Quick-Fit housed units in Europe in 2015 for SN/SD configured housings and is now introducing the line in North America with SAF-configured housings. First produced by Revolve in 2011, the angled pedestal eliminates the need to remove the drive and lift the shaft to replace a solid bearing or to replace the support pedestal of a split bearing.

"Quick-Fit changes the game when it comes to replacing bearings in challenging-to-reach locations," said Cory Shaw, business manager of the housed units business at Timken. "The outer support is split at an angle, allowing it to be slid under the shaft during initial replacement. This makes retrofitting mounted bearing units much faster and easier in applications like fans, conveyors, crushers, kiln drives and marine propulsion shafts."

The complete line of Revolve split-to-the-shaft cylindrical roller bearing housed units allows the bearing to be assembled around the shaft without requiring access to the shaft ends. Once installed, maintenance personnel can easily remove support caps and housing components for quick visual inspection, saving maintenance time. The 7 concentric seal designs provide customized options to meet harsh environments requirements, which can extend operational life beyond competitors' designs. Widely used by mining, power generation, food and beverage, pulp and paper, metals, cement, marine and waste-water operators, these units can quickly reduce maintenance costs and increase plant profitability.

Source: The Timken Company

 A3.409

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TruStar Energy Completes the Largest Private CNG Fueling Station in North America for FCA US

TruStar Energy, one of the U.S.'s leading developers of Compressed Natural Gas (CNG) fueling stations, announced recently that it has completed construction of a private CNG fueling station for FCA US LLC (formerly Chrysler Group LLC). Located at the company's North American Detroit Terminal, the CNG station will fuel 179 tractor trucks in FCA Transport's fleet with cleaner, domestically produced natural gas. With 6 Ariel compressors able to dispense CNG at nearly 40 gasoline-gallon equivalent (GGE) per minute, it is the largest private fast-fill station in North America.

"Allocating FCA US resources to convert the fleet to CNG not only yields the company long-term cost savings, it significantly reduces CO₂ emissions and continues the company's leadership in the areas of technological advancement and sustainability. We're also sending a strong signal to the Detroit community that we're going to play a supportive role in the City's



comeback," said Marty DiFiore, head of FCA Transport.

The FCA Transport fleet delivers parts and materials to FCA US assembly plants in Michigan, Ohio, and Ontario.

"With this new CNG station, FCA US is taking a leadership position in its industry and in creating a lower carbon future," said Adam Comora, president of TruStar Energy. "Companies that have fleets are beginning to take a longer strategic look at migrating their vehicles to domestic

compressed natural gas. Even in a lower oil price environment, certain CNG applications still make economic sense providing significant cost savings while allowing corporations to make progress toward sustainability goals."

The largest private CNG fueling station built by TruStar Energy to date, the project was completed for the FCA Transport fleet in under 6 months – several months less than the industry standard of 12-18 months. TruStar Energy owns, will operate

McNeilus NGEN Brand Delivers Custom CNG Solutions

McNeilus Truck & Manufacturing, Inc., an Oshkosh Corporation company, has engineered and installed a custom NGEN™ Compressed Natural Gas (CNG) system for over-the-road trucks owned by Gold Standard Transportation in Chicago, Illinois. The project included the addition of behind-the-cab vertical tanks that significantly increased fuel capacity and traveling distance between fuel stops.

"McNeilus has installed complete CNG systems on 4 of my trucks, and also provided a custom installation to add 19 DGE capacity on 2 others. The additional capacity eliminated the need for these trucks to require a fuel stop," said Gino Fortuna, president of Gold Standard Transportation. "We've been running CNG since the Cummins 11.8 I engine was introduced.

I believe CNG is the future – primarily due to reduced fuel costs, cleaner running engines and extended longevity."

The Gold Standard vertical tank installations were completed at McNeilus' Chicago branch where certified technicians added 20% more fuel capacity for vehicles traveling to and from St. Louis, Cincinnati, Cleveland and other locations in the Midwest. By integrating vertically mounted fuel tanks, the tractor-trailers are able to maintain the required swing clearance needed for operation.

McNeilus is an industry leader with more than 5,000 NGEN CNG vehicles on the road from coast to coast. McNeilus engineers



a variety of mounting options and fuel capacities to meet customer needs, with new configurations constantly in development. NGEN CNG systems are installed on heavy-duty vehicles through the company's national network of installation centers.

Based in Chicago, Gold Standard Transportation Inc. is an innovative transportation company with 14 over-the-road vehicles operating in the Midwest and as far south as Arlington, Texas.

Source: McNeilus Truck & Manufacturing, Inc.

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London Machinery Becomes New IMT Distributor in Quebec

and maintain the station and will provide CNG for FCA US under a long-term supply contract.

"TruStar Energy worked closely with FCA US to build a tailored solution on a very aggressive time schedule. Getting it done quickly and on time with our partners and DTE Energy delivered significant cost savings for FCA US," said Scott Edelbach, general manager for Construction and Service Operations for TruStar Energy. "This station was specifically designed to meet FCA Transport's fueling needs today and tomorrow as they increase their CNG fleet."

The station features 6 Ariel 300 hp compressors packaged by ANGI, a PSB dual-tower gas dryer and 3 ANGI fast-fill dispensers.

TruStar Energy has constructed over a hundred private and public CNG fueling stations across the U.S.

Source: TruStar Energy

London Machinery Inc. (LMI) and Iowa Mold Tooling Co. Inc. (IMT), both Oshkosh Corporation companies, are proud to announce that London will serve as the new distributor of IMT products in the province of Quebec.

The new partnership was unveiled at the Canadian Waste and Recycling Expo held in Montreal, Quebec, last November.

"We are very proud of our new partnership with IMT in Quebec. We dedicate ourselves to exceeding customers' expectations, and that requires that we offer the best quality products and services in the industry. IMT has a long-standing reputation for quality products, and they match our commitment to superior customer service. So, it is a perfect fit," said Bob Monchamp, vice president and general manager of London Machinery Inc.

Included in the distributor deal are truck models in the popular Dominator mechanics truck series, which are used in a variety of applications by municipalities, construction machinery dealers and waste collection fleets. The crane body mechanics trucks in the Dominator series offer the versatility, reliability and increased productivity needed to get the job done.

Source: London Machinery Inc.



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Appointments

KPI-JCI and Astec Mobile Screens has hired **Nate Hicks** as a new parts sales development engineer as part of its ongoing strategy to grow its PDQ and OEM parts lines.

Mr. Hicks recently relocated from Colorado, where he served as a project engineer for Springs Fabrication. He graduated with a degree in mechanical engineering from South Dakota School of Mines and Technology. Nate Hicks previously worked for KPI-JCI and Astec Mobile Screens' South Dakota manufacturing facility as a design drafter intern in 2008.

KPI-JCI and Astec Mobile Screens is a premier worldwide manufacturer for the aggregate, construction and recycling industries.

Source: KPI-JCI and Astec Mobile Screens



KPI-JCI and Astec Mobile Screens has hired **Tim Harms** as senior sales engineer for crushing and screening products at its Kolberg-Pioneer, Inc. manufacturing facility.

In his new role, Mr. Harms will assume a sales engineering leadership role and act as a resource for the sales engineering staff. He will also help guide equipment selection for potential customers and manage sales opportunities in conjunction with the product management group and the field sales force. Additionally, he will be responsible for assisting other sales personnel in the development of production and operation cost data, product pricing, sales tools and training materials.

Tim Harms first began his relationship with the company in 1989, when he was hired as an engineering design drafter. Over the next 20 years, he served in a variety of roles, including project designer, product application specialist and sales engineer. In 2009, he left the company to pursue a full-time farming operation with his family's farm.

Source: KPI-JCI and Astec Mobile Screens



New Show Layout for CONEXPO-CON/AGG 2017

CONEXPO-CON/AGG 2017 will feature a streamlined show layout to help attendees more easily comparison shop for the products and services they need for their businesses.

The reconfigured CONEXPO-CON/AGG layout is designed to create better synergy between outdoor and indoor space product areas and make it easier for attendees to navigate the show.

"CONEXPO-CON/AGG is guided by volunteer industry leaders and we want to most effectively connect the exhibitors and attendees and deliver a quality show experience; these improvements will help us achieve that goal," said Rich Goldsberry, 2017 CONEXPO-CON/AGG chair and president of Bobcat Company and Doosan.

The next CONEXPO-CON/AGG will be held March 7-11, 2017 at the Las Vegas Convention Center in Las Vegas, Nevada. Attendee registration will open in summer 2016.

NEW BRONZE LOT, EXPANDED GOLD LOT

As part of the new layout:

- The Gold Lot includes an expanded Gold Hall and now extends to Las Vegas Boulevard, using the site of the demolished Riviera Hotel;
- A new Bronze lot (with Bronze Hall) has been added south of South Hall, extending the length of the building;
- Both lots will feature Registration areas as well as registration in the Westgate Convention Center (formerly Las Vegas Hilton) adjacent to North Hall.

Show management cited increased demand for exhibit space as a major factor in the show floor redesign to make optimum use of available space.

"Demand has been stronger than ever, especially for indoor space, and we worked with the Las Vegas Convention Center to explore all options; we are confident this show footprint will enhance ROI for all stakeholders," said show director Sara Truesdale Mooney.

CONEXPO-CON/AGG is the international gathering place every 3 years for the construction-related industries, showcasing the latest equipment and product innovations and attracting exhibitors and attendees from all industry segments around the world.

Source: Association of Equipment Manufacturers (AEM)



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Changing the Game: APWA Announces "PWX" as New Name for Annual Conference

With more than 100 years of annual meetings to its credit, the American Public Works Association has hosted its last "Congress & Exposition." Now the association's annual meeting will be known as PWX, APWA officials announced at Congress in Phoenix, Arizona. Recognizing monumental changes in the makeup of the workforce in the last decade, APWA is launching PWX, the new brand name for the APWA International Public Works Congress and Exposition.



"PWX won't be just a new package for an old program, there will be significant changes from the Congress we have known," said APWA's interim executive director Larry Frevert. "PWX will incorporate more technology, will embrace and engage the younger generations in the profession, will cater to all of the learning styles of the 5 generations, and will be a setting that will encourage cross-generational dialogue, so everyone can learn and benefit. This is an exciting time of change and PWX is a symbol of our recognition of these changes."

Source: American Public Works Association

Canadian Exhibitors at World of Asphalt/AGG1

ACE Group LLC	3214
Albarrie Environmental Services Ltd.	1715
BDI Wear Parts	1059
Breaker Technology Inc. (BTI)	3246
Haver & Boecker (W.S. Tyler)	2822
Heat Design Equipment Inc.	1222
Luff Industries Ltd.	1207
Major Wire Industries Ltd.	3253
Marathon Equipment Inc.	3614
McAsphalt Industries Ltd.	3461
McCloskey International Ltd.	1248
Sepro Systems	4019
SuperiorRoads Solutions	4014
Tanguay Machinery	3266
Thor Global Enterprises Ltd.	2860
Torspec International Inc.	1055
Trimay Wear Solutions	1966
Westpro Machinery Inc	1066
WOHWA Distribution North America Inc.	2066
WRT Equipment Ltd.	4003



TT Technologies Launches New Website

TT Technologies recently launched its new comprehensive trenchless website. The fully responsive design allows users to view and interact with the website from mobile devices including tablets and smartphones. Trenchless contractors and engineers are able to get information on trenchless tools, methods and parts and accessories on their mobile device directly from the jobsite.



The site contains photographs, illustrations and animations of trenchless methods and applications including pipe bursting, pipe ramming, horizontal boring, lateral replacement and directional drilling.

The site is designed to be an extensive trenchless pipe replacement resource for contractors, engineers and municipalities. In addition to method descriptions and equipment specifications, the site contains numerous case studies describing actual trenchless projects.

Source: TT Technologies, Inc.

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Agenda

Compost Matters in Alberta regional workshop
February 24 - 25, 2016
Calgary, AB Canada

The Work Truck Show
March 2 - 4, 2016
Indianapolis, IN USA

NASTT's 2016 No-Dig Show
March 20 - 24, 2016
Dallas, TX USA

2016 Quebexpo - ALQ's Rental Show
March 22 - 23, 2016
Laval, QC Canada

World of Asphalt and AGG1
March 22 - 24, 2016
Nashville, TN USA

Atlantic Heavy Equipment Show
April 7 - 8, 2016
Moncton, NB Canada

Bauma 2016
April 11 - 17, 2016
Munich, Germany

Expo Grands Travaux
April 22 - 23, 2016
Montreal, QC Canada

TRUXPO / Pacific Heavy Equipment Show
May 13 - 14, 2016
Abbotsford, BC Canada

Strive for Sustainability Solid Waste & Recycling Conference/Trade Show
May 15 - 18, 2016
Sagamore, NY USA

IFAT
May 30 - June 3, 2016
Munich, Germany

AORS Municipal Public Works Trade Show
June 1 - 2, 2016
Sturgeon Falls, ON Canada

Ankomak 2016
June 1 - 5, 2016
Istanbul, Turkey

Waste Expo 2016
June 7 - 9 (exhibits); June 6 - 9, 2016 (seminars)
Las Vegas, NV USA

INTERROUTE&VILLE
June 14 - 16, 2016
Paris, France

World of Concrete Europe - Exhibition & Forum
September 6 - 7, 2016
Paris, France

MINExpo
September 26 - 28, 2016
Las Vegas, NV USA

IFAT India
September 28 - 30, 2016
Mumbai, India

Xplor 2016
October 5 - 6, 2016
Montreal, QC Canada

Offshore Energy Exhibition & Conference
October 25 - 26, 2016
Amsterdam, The Netherlands

BAUMA China
November 22 - 25, 2016
Shanghai, China

BAUMA CONEXPO INDIA
December 12 - 15, 2016
Gurgaon/Delhi, India

CONEXPO-CON/AGG 2017
March 7 - 11, 2017
Las Vegas, NV USA

SMOPYC.
April 4 - 7, 2017
Zaragoza, Spain



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