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A Brief Word...

A less than traumatic winter, weatherwise, is now assuredly behind us. It is just the unpredictability of the weather, and officialdom to cope with to get the construction season out of the starter blocks.

The wet is more troublesome than the cold, just look at what has been happening in Australia. Muck is a killer for tires and tracks alike, and for excavating it can be like punching fog. A jobsite turned to Oliver Twist's gruel is not an inviting scene for operators or project managers.

Have we been victims of our own ingenuity, regularly pulling rabbits out of technological hats to cope with tighter deadlines and more varied conditions? Has this Magic Wand also delivered us a less-than-hardy populace, eyeing cushy careers in public service rather than honest graft of the private sector? Will the backdrop of Covid and a skills shortage deliver a solution in time to keep the housing market buoyant?

Grafted onto this, is a spiralling inflationary trend in materials, consumables, and skyrocketing indebtedness (personal and public). Is there a Perfect Economic Storm in the forecast and will April Showers bring a great bursting of the defences?

Planning is all you can do, trusting your judgement to plan for the worst and hope for the best puts you on high ground. That is why InfraStructures' pages are packed with news and ideas that form part of your strategy to stay afloat when the economic torrent reaches you.

Whether on the truck seat or on your phone, InfraStructures will be your tool to help you sandbag the rising waters.

Oh, and don't forget to take your gum boots and umbrella with you.

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On the cover: the Milwaukee MX FUEL ROCKET Tower Light/Charger provides the most portable and highest output cordless light on the market for remote applications and construction. Part of the new MX FUEL™ Equipment System, it delivers up to 27,000 lm of task and area lighting. The 10' tower can be set up in seconds and features outriggers for leveling. It can withstand the harshest jobsite environments.

DAKOTA RECLAMATORS JOINS THE PRIESTLY DEMOLITION FAMILY OF COMPANIES

Priestly Demolition Inc. recently announced that Dakota Reclamators, based in Calgary, Alberta, has joined the family, bringing together 2 well established companies to better service the needs of their clients across the country.

"Today marks the beginning of an exciting new chapter for Priestly Demolition, one where we will be able to facilitate projects across the country, quickly and safely," said Ryan Priestly, president, Priestly Demolition. "We are thrilled to embark on this new journey that will, undoubtedly, transform our organizations."

"Priestly Demolition is known around the world for their high-profile demolition projects, and excellent reputation, this is why we are so thrilled to be joining their team," said Brian Sigvaldason, director,

Dakota Reclamators.

Dakota Reclamators is an industry leader in deconstruction serving all of Western Canada. Ranging from residential structures to large wood-frame, masonry, concrete, or structural steel. A full-service company with strong project bonding capabilities to accommodate client requirements, Dakota has established a reputation as a cost-effective, technically superior contractor in the demolition and environmental remediation industries. Dakota has revolutionized the reuse/recycling concepts applying to deconstruction and decommissioning projects and consistently reuses/recycles in excess of 90% of all non-hazardous material on deconstruction projects.

Over the past 25 years Priestly Demolition Inc. has become well known for taking down iconic landmarks in Ontario, and for their dedication to green solutions. This family-owned and operated business has the largest fleet of demolition equipment and Oilquick attachments in the country, and have made large investments in their people, new technology, engineering, health & safety department, and COR Certification.

Source: Priestly Demolition Inc.

AMERICAN AUGERS® AND TRENCOR® PRODUCTS NOW SOLD THROUGH THE DITCH WITCH® DIVISION

Customers of Ditch Witch and Subsite® Electronics products have been receiving world-class service and support from their local Ditch Witch dealership for decades, and now with the addition of 2 new product lines, underground construction professionals around the globe can reap the same benefits.

The Ditch Witch Division will offer the full product lines, parts and service for both the American Augers and Trenchor brands. Dealership and factory personnel have been working together to prepare for distribution of these 2 brands through the worldwide Ditch Witch dealer channel. The manufacturing of Ditch Witch products will remain in Perry, Oklahoma, and American Augers and Trenchor products will continue to be built in West Salem, Ohio.

American Augers began in 1970 and has been leader in large-diameter underground construction since the beginning. With horizontal direction drills ranging from 490 kN to 4,890 kN of thrust and

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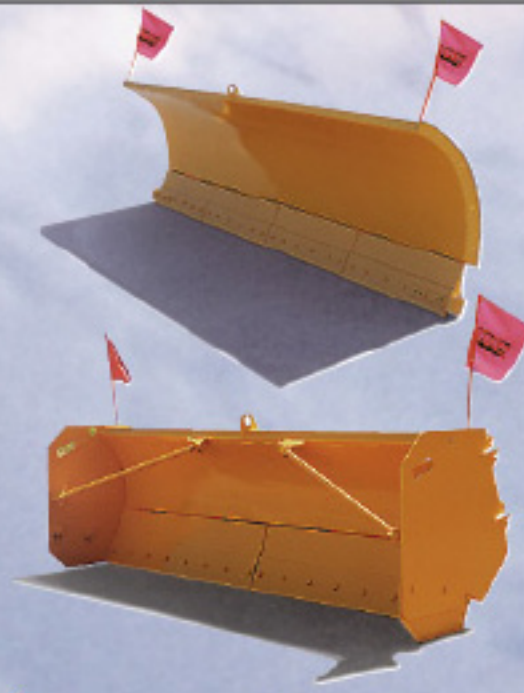
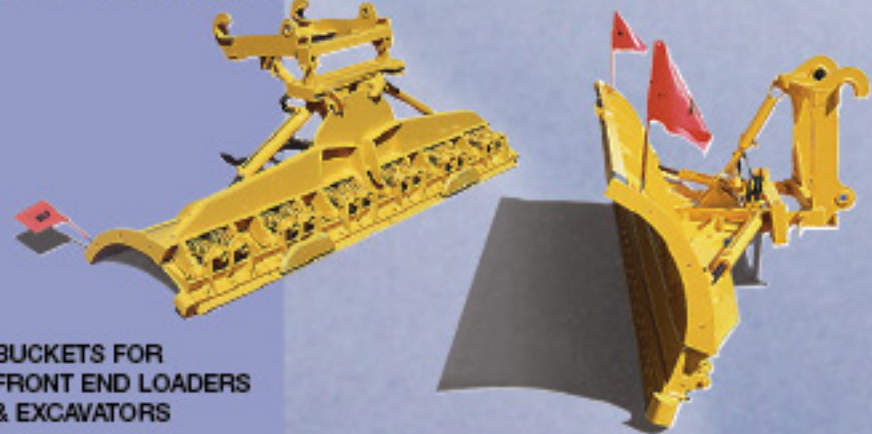
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pullback; auger boring machines, including a 2,670 kN electric unit; mud pumps and cleaning systems; and, now the Ditch Witch Division, the brand is well-positioned to continue its success far into the future.

Trencor manufactures mechanically-driven trenchers and rugged surface miners with upwards of 950 hp. Trencor has a long history of success in the industry as the brand got its start in 1945.

Source: Ditch Witch

BORGWARNER AGREES TO ACQUIRE AKASOL SEEKING TO EXPAND ELECTRIFICATION PORTFOLIO

BorgWarner Inc. and AKASOL AG recently announced that they have signed an agreement to position BorgWarner to significantly expand its commercial vehicle electrification capabilities. As part of the agreement, a wholly-owned subsidiary of BorgWarner will launch a voluntary public takeover offer.

Headquartered in Darmstadt, Germany, AKASOL designs and manufactures customizable battery packs for use in buses, commercial vehicles, rail vehicles and industrial vehicles, as well as in ships and boats. AKASOL's proprietary system technology is cell-agnostic, providing a low-cost, flexible solution to world-class customers. With more than 300 full-time employees and 3 facilities across Germany and one facility in the U.S., AKASOL believes it is well positioned to capitalize on the large market opportunity across Europe and North America.

BorgWarner believes the acquisition would significantly strengthen its commercial vehicle and off-highway battery systems business as it continues to execute its electrification strategy. With the global, lithium-ion battery market for electric vehicles expected to grow, AKASOL believes it is in a good position to meet the demand for battery systems in the global electric commercial vehicle market.

Source: BorgWarner Inc.

ALI INTRODUCES CHECK360™ CERTIFIED LIFT INSPECTION, NEW INSPECTION LABEL

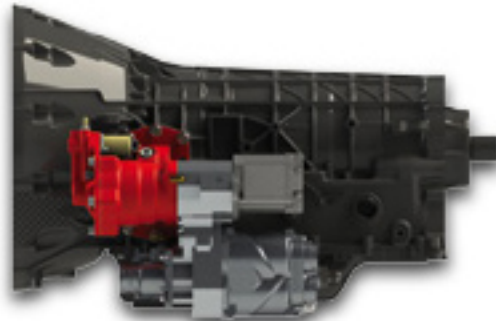
The Automotive Lift Institute (ALI) has developed a new lift inspection process

for the more than 500 ALI Certified Lift Inspectors across North America to follow when inspecting any car lift, truck lift or other vehicle lift. The Check360™ Certified Lift Inspection is a comprehensive examination of the lift structure as well as its electrical and mechanical components. The inspection also includes a review of training logs, operating instructions and safety materials. Check360 lift inspections meet all the requirements of the national

safety standard governing lift operation, inspection and maintenance, ANSI/ALI ALOIM (current edition).

The standard requires that all vehicle lifts be inspected by a qualified lift inspector at least annually and provides extensive guidance on what must be inspected. The *ALI Lift Inspector Certification Program* was introduced in 2012 to provide a resource for standardized lift inspection procedures and qualified lift inspectors to perform

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them. It was the first – and remains the only – program to establish lift inspector credentials and to independently test and certify inspectors who proved qualified to inspect any type of lift.

With the introduction of Check360, ALI has updated the inspection procedures for all lift types and has made it easier for customers to confirm that the inspection they receive is complete and meets all industry standards.

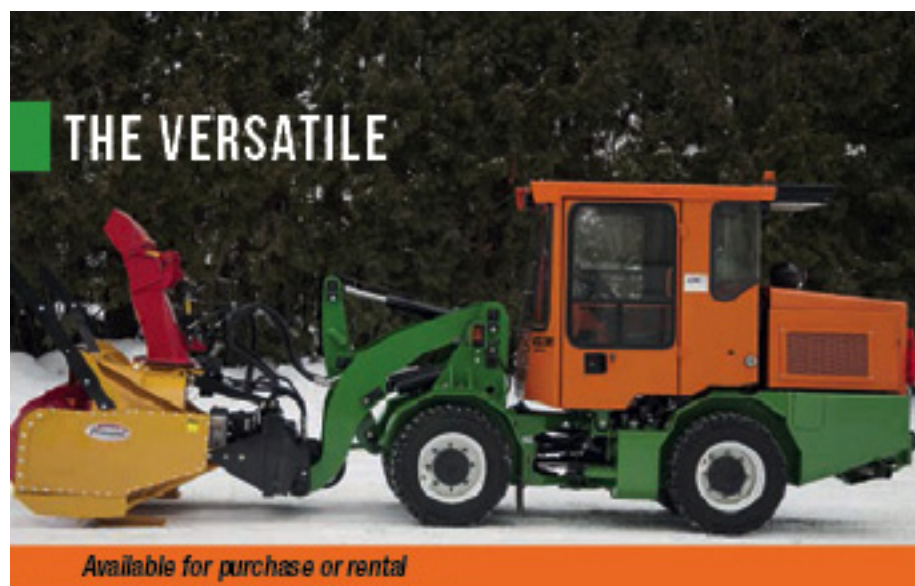
“As the ALI Lift Inspector Certification Program has grown, we’ve seen an increasing number of inspection companies offer multiple tiers of inspection and apply misleading inspection labels to lifts inspected outside of our program parameters,” said R.W. “Bob” O’Gorman, ALI president. “To make it easier for customers to have confidence that they’re getting what they paid for – an inspection that meets all the requirements of the national

safety standard – we developed a new lift inspection process customers can ask for by name and a new lift inspection label that’s harder to counterfeit. Check360 is the only lift inspection backed by ALI, the organization that’s been protecting lift operators for more than 75 years.”

To ensure consistency and compliance, only ALI Certified Lift Inspectors can perform a Check360 lift inspection. At the conclusion of the inspection, the inspector will provide the customer with a thorough report of the results and will apply a new Check360 Certified Lift Inspection label to every lift that passes. The label features the Check360 mark in the center, the ALI Certified Lift Inspector hologram, a serial number matching the inspection report number, and the inspector’s individual 4-digit ID. There is a new label color every year (2021 labels are orange) and all unused labels must be accounted for at the end of the year. Check360 labels can be applied exclusively by ALI Certified Lift Inspectors.

The Check360 inspection label provides assurance to the customer that the lift was thoroughly inspected from top to bottom in compliance with the national safety standard. It also gives code enforcement officials instant proof of the last time the lift was professionally inspected and deemed in proper working order.

Source: The Automotive Lift Institute



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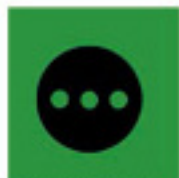
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HIDROMEK'S GLOBAL SALES EXCEEDED 50,000 MACHINES

The number of construction equipment that HIDROMEK has sold around the world since its establishment exceeded 50,000 machines as of the end of 2020.

“We have sold more than 50,000 machines to over 100 countries on 6 continents. We extend our deepest thanks to our team, dealers, services, suppliers, customers and all of our stakeholders with whom we are stronger together,” said HIDROMEK vice-chairman and general manager Ahmet Bozkurt.

HIDROMEK produces backhoe loaders, hydraulic excavators, wheel loaders, motor graders and soil compactors in its 6 production facilities in Turkey and Thailand. HIDROMEK is working on a new 1.4 million m² production facility campus located in Ankara. At the component factory which already started operation, HIDROMEK is producing gearboxes, axles, hydraulic



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reducers and hydraulic cylinders. operation of the excavator factory on the campus is planned for 2022.

As a result of ongoing R&D activities during 2020, HIDROMEK will introduce new products to the market later this year.

Source: HIDROMEK

THE CROSBY GROUP INVESTS IN VERTON TECHNOLOGIES

The Crosby Group, a specialist in lifting,

rigging, and load securement hardware, recently announced that it has completed a significant investment in Verton Technologies. Australian-based Verton has developed and commercialized disruptive advancements in load orientation technology that remove the need for human-held tag lines in lifting applications. These innovations play a critical role in improving the safety and productivity of global lifting operations.

The Crosby Group and Verton will collaborate in the market to accelerate the adoption of this game-changing load orientation technology. By leveraging The Crosby Group's global footprint, Verton will bring an elevated level of safety to an increasing number of workers.

"We are thrilled to partner with Verton in this rapidly growing space. This investment is a perfect strategic fit due to our common end user base and our shared values of safety, reliability and innovation," said Robert Desel, CEO of The Crosby Group.

Verton's solutions include Everest 6, a 18,1 t load orienting spreader beam, Everest 30, a modular load orienting system for a broad range of working load limits, and Windmaster, a load orientation device for wind turbine erection.

"With this new partnership Verton can dramatically increase the pace of innovation and the penetration of our products in the market. As a global leader with strong brand recognition, The Crosby Group creates an exciting platform for Verton's future," added Trevor Bourne, CEO for Verton.

This marks The Crosby Group's fourth transaction in the past 24 months including the acquisitions of Straightpoint, Gunnebo Industries and Feubo.

Source: The Crosby Group

Milwaukee Portable Light Tower

Milwaukee Tool recently announced the most portable and highest output battery-powered light on the market. Part of the new MX FUEL™ Equipment System, the MX FUEL™ ROCKET™ Tower Light/Charger is the most portable 3 m light for inside or outside use.

Built with all-terrain 20 cm wheels MX FUEL™ ROCKET™ Tower Light/Charger requires little effort to move across uneven ground – whether it is rolled across rough terrain during early phase construction or across pan decking for early morning concrete



pours. The telescopic lighting tower can be set up in seconds to a maximum height of 3 m with a motorized mast and collapses back down to 112 cm for easy transportation and storage. Once it is in place, 4 outriggers can be quickly deployed to provide more stability on uneven surfaces.

The 4 multidirectional LED light heads can cast up to 27,000 lm of TRUEVIEW™ High Definition Output when plugged into AC power. When equipped with a MX FUEL™ REDLITHIUM™ XC406 battery, the light tower runs for 3 hours on high at 20,000 lm or up to 10 hours at its lowest setting on a single charge. It can also be plugged into an extension cord for all-day operation, as well as charge any MX FUEL™ REDLITHIUM™ battery pack.

While deployed, the light can withstand up to 56 km/h winds and is protected from rain, wind, and dust. Like all of Milwaukee's high output LED lights, the new light also features a limited lifetime LED warranty, and a 5-year warranty on the product.

As an added benefit, users can customize, track, manage, and secure the light from their mobile device through ONE-KEY™, a digital platform for tools and equipment that gives the ability to customize, track, and manage their tools. If the light tower is ever lost or stolen, ONE-KEY™ provides the ability to prevent tampering with remote lockout capability.

Source: Milwaukee Tool

NORDBAU IS PREPARING WITH HIGH CONFIDENCE FOR THE LARGEST CONSTRUCTION TRADE FAIR IN NORTHERN EUROPE

NordBau has been the meeting place for the construction industry and decision makers in the building industry for over 6 decades. The show will take place September 8-12, 2021 at the Holstenhallen Neumünster exhibition center in Schleswig-Holstein, Germany.

The outdoor area with construction machinery, construction equipment, commercial vehicles and municipal technology is already almost fully booked. Furthermore, inside the halls, where visitors can see building materials, building elements, heating, air-conditioning technology, tiles and tools, the bookings are encouragingly high as well.

The range of products and services on offer is targeted equally at visitors such as craftsmen, architects and planners as well as builders from the private and public sectors.

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With this year's special theme "A Second Life for Building Materials" - Recycling in building construction and civil engineering, the focus is on the responsible use of increasingly scarce raw materials in the construction industry. High transport costs and growing problems with hazardous waste are further factors. For the structural engineering and its building materials and elements as well as for the civil engineering with the machines and equipments, recycling will play an increasingly significant

role in the future.

This year, the new products and "one-stop solutions" for electric mobility for the construction and trade sectors will be presented in the outdoor area. Electric commercial vehicles, charging stations, construction and servicing of the system, as well as power generation, are key points of interest to construction and trade companies.

With around 69,000 m² of outdoor exhibition space and over 20,000 m² of

MGMT Group Joins Hydrema Dealer Network

Kris Binder, executive vice president of Hydrema North America proudly welcomes MGMT Group to the Hydrema North America dealer family. MGMT Group will represent Hydrema's full line of equipment in the lower mainland of British Columbia.

"MGMT Group is extremely experienced and well versed in the construction industry having a business that operates as both a heavy construction contractor and equipment rental," said Allen Patterson, Hydrema regional business manager. "Because of this depth of knowledge and experience, they will provide Hydrema customers with outstanding service."

"We're excited to partner with Hydrema whose quality is the best I have seen on the market," said Chris Meyer, president of MGMT Group. "I've been in the construction business for over 20 years and now have the pleasure to offer our fellow contractors first class construction equipment that will deliver maximum uptime and efficiency on their jobsites."

MGMT Group will now carry Hydrema's entire line of equipment which includes articulated dump trucks, backhoe loaders, and wheeled excavators.

"Selling construction equipment for a manufacturer with a proven track record for over 60 years makes starting up a new dealership much simpler," said Mike MacKenzie, sales manager of MGMT Group. "Hydrema's innovative ways will help us achieve much success."

"Our goal is to build a long-lasting legacy by providing innovative earthmoving machines to construction & industrial companies in British Columbia, Canada. I look forward to being a major contributor to a very exciting new team of people who have similar goals," he added.

MGMT Group's sales staff has been fully trained in the application, sales, parts and service of Hydrema's full product line in addition to prompt and professional parts and service support. The company supports Hydrema throughout the lower mainland of British Columbia with its Surrey, BC branch location.

Source: A/S Hydrema



indoor exhibition space, NordBau is the most important compact construction trade fair in Northern Europe and the entire Baltic region. Over 800 exhibitors from 13 countries meet around 63,000 visitors annually at NordBau. The 50 seminars and events, that always accompany the fair, register a total of 4,300 conference participants. Since 1956 exhibitors have used NordBau to reach both the numerous trade visitors and end customers (public as well as private builders). NordBau thus enjoys a high level of acceptance and attraction for all those interested in building and for those working in the building industry.

In addition, NordBau has been cooperating for over 45 years with the partner country Denmark, which sees the trade fair as a launch pad to access the German and European markets.

Source: Holstenhallen Neumünster GmbH

NEW PARTNERSHIP TO CREATE A PREMIER TAHLTAN-OWNED CAMP AND LOGISTICS SERVICES COMPANY

Obsidian Camps and Logistics Services Inc. and Matrix Co. recently announced they have entered into a partnership to create a premier Tahltan-owned and operated

camp and logistics management company.

"This strategic partnership supports the Tahltan Central Government's efforts to create Tahltan-owned businesses to provide greater employment and training for our People and Youth who wish to participate in the economic opportunities within our traditional territory," said Allen Edzerza, CEO of Obsidian Camps and Logistics Services.

The Company will provide a full range of services, including workforce accommodations, camp management, equipment, communication, expediting and fuel supply services. Alano Edzerza, as president, will oversee the management of Obsidian Camps and Logistics Services Inc.

Obsidian Camps and Logistics Services is a Tahltan-owned enterprise, providing a full range of industrial services for the mining, LNG and forestry sectors, including workforce accommodations, camp management, equipment, communication, expediting and fuel supply services.

Matrix Co. is a Canadian leader in providing camp and logistical services. Matrix seeks out cooperative partnerships with Indigenous communities and organizations in all regions in Canada.

Source: Obsidian Camps and Logistics Services Inc., Matrix Camps and Logistics

ALL Crane Adds Liebherr LR 1800-1.0

The ALL Family of Companies is beefing up its crawler crane offering in a big way with the purchase of a new Liebherr LR 1800-1.0. Unveiled by Liebherr at Bauma 2019, the high-tech heavyweight has an 800 t capacity, 200 m of hoist height, and a maximum radius of 150 m.

The purchase is in addition to the 21 Liebherr cranes announced earlier and delivering to ALL throughout 2021. Delivery of the LR 1800 is expected in May.

The LR 1800 delivers outstanding lifting capacities while still being easy to transport from job to job and branch to branch across ALL's North American footprint.

Features that reduce transport costs include a less than 3 m transport width, a maximum transport weight of 45.3 t, and, for the first time, the boom system features lattice sections with 3 system dimensions which can be telescoped into each other for transport.

The crane's best new feature might be its V frame derrick, a hydraulically adjustable folding frame that allows enormous adjustment distances with a ballast radius of between 14 and 22.8 m. It delivers maximum flexibility compared to the standard rigid system for large ballast radii and makes the LR 1800 more maneuverable while also simplifying the use of the derrick to save valuable time on a jobsite.

The extra-wide 2.4 m track pads spread the weight over a larger area, giving the LR 1800 a greater maneuverability across a wider range of ground conditions, making it a workhorse in a variety of applications including bridge work, industrial projects, power and processing plants, and wind energy.

"The size of windmills continues to grow," said Rick Mikut, crawler crane division manager for ALL. "Because it can easily reach some of the newer 90 m to 110 m windmill heights, wind will be an important market for this machine."

Source: The ALL Family of Companies



WORLD OF CONCRETE APPROVED TO MOVE FORWARD IN LAS VEGAS IN JUNE

Informa Markets, organizers of the World of Concrete, has received approval from the Nevada Department of Business and Industry to move forward with its 2021 in-person edition. The event is scheduled to be held June 8-10, 2021 at the Las Vegas Convention Center.

Following Governor Steve Sisolak's address on March 12 on the Las Vegas reopening plan, Informa Markets worked with the Las Vegas Convention Center to submit a thorough health and safety plan to the Nevada Department of Business and Industry. The proposal outlined specific operational protocols and communication strategies surrounding the event. The plan was largely based on the framework of Informa AllSecure, a set of rigorous health and safety measures to prioritize guest safety at trade events, including mandatory face masks and temperature checks for all participants.

Source: Informa Markets

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BrandSafway on Gordie Howe International Bridge

Several BrandSafway companies are working together to deliver comprehensive access, scaffolding and forming solutions for the construction of the Gordie Howe International Bridge between Windsor, Ontario, and Detroit, Michigan. Once construction is finished, the 6-lane cable-stayed bridge will have a clear span of 853 m – the longest of any cable-stayed bridge in North America.

Aluma Systems by BrandSafway is providing formwork, falsework, stair towers and access platforms to support the concrete pours for the main pylon footings. This includes custom preassembled formwork panels for the footings, caisson collars, crane foundations, the pylon starters, and a base platform for access, storage and the temporary elevators surrounding each pylon.

AlumaSafway is providing access stairs as well as an elevator on the Canada bridge site. BrandSafway is supplying the

elevator on the U.S. site. The 2 elevators will provide access for on-site personnel along the height of the main pylons and to the jump form systems during construction.

Windsor-Detroit Bridge Authority (WDBA), a Canadian Crown corporation, is responsible for the delivery of the Gordie Howe International Bridge, through a public-private partnership. Its private-sector partner, Bridging North America, began working on the project in 2018. Once completed, the new bridge will be among the top 5 longest bridges in North America at a total length of 2.5 km. In addition to providing much needed cross-border capacity for commercial and personal



vehicles at the busiest trade corridor between Canada and the U.S., the bridge will include a dedicated multi-use path for pedestrians and cyclists.

With a commitment to safety as its foremost value, BrandSafway provides the broadest range of solutions with the greatest depth of expertise to the industrial, commercial and infrastructure markets.

Source: BrandSafway

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Tree Felling Is Their Profession

The German term “Straßenbegleitgrün”, meaning plants and trees alongside roads, is a word that probably only exists in German. In any case, it is this roadside greenery that keeps the Weng brothers busy every day and keeps them working. For around 10 years, the brothers Torsten and Marco have been pioneers in North Rhine-Westphalia in the care of trees and greenery along traffic routes.

In addition to numerous other machines, it is above all a SENNEBOGEN 830 R-HDD with a cutting head and a reach of around 17 m that can bring down even the largest and heaviest trees along the roads.

For a good 3 years now, the Weng Group has been successfully using a SENNEBOGEN 830 R-HDD, a machine that is not an everyday occurrence in this work area, for its demanding problem tree felling operations. Developed with the appropriate reach height and load capacity, the 830 R-HDD also cuts a fine figure as a felling machine.

On a wet and cold January day along the A44 freeway, their task was to fell numerous diseased alders and American oaks dangerously leaning into the roadway over a total length of around 1 km.

“Our time window for this work is very limited. We are only allowed to enter this area between 9:00 a.m. and 2:30 p.m.; from 3:00 p.m., when rush hour traffic starts, the road must be completely clear again,” explained Torsten Weng.

FAST, PRECISE WORK IN TIGHT SPACES IN A SHORT TIME

The 3 men in the felling troop are used to the traffic that rushes past them in the direction of Essen. While Torsten Weng steers the material handler and safely puts down the large trees overgrown with ivy, his colleagues Stanislaw Sawada and Grzegorz Jacek make sure that everything around the trunk is exposed. Piece by



piece, the trees, which are up to 16 m high, are removed in a controlled manner. The last cut is made with a chainsaw, because the cutting head has to be protected from stones and debris so close to the ground. In order not to obstruct the traffic too much, only the hard shoulder and the



From l. to r.: Grzegorz Jacek, Marco and Torsten Weng, and Stanislaw Sawada

entrance to the highway are closed.

WHY A SENNEBOGEN 830? THE QUESTION IS QUICKLY ANSWERED

“The SENNEBOGEN 830 R-HDD offers us everything we need for our daily challenges. Thanks to its long reach of over 17 m, we can safely get to even the most distant trees and work on where others can’t. With the comfortable load capacity of around 4.5 t @ 10 m reach, for example, and a high hydraulic power, we can also operate large attachments safely and reliably.”

The SENNEBOGEN 830 E itself is equipped with a 168 kW (225 hp) diesel

engine and can reduce its track width from 3.8 m to 2.3 m for transport by thanks to the telescopic undercarriage. Driver Torsten Weng always has an optimum view of his working area from the cab, which can be raised by 2.7 m and tilted by 30°, and is also optimally protected at his workplace with FOPS protective grids and bullet-proof glass.

For about 10 years the Weng brothers have been pioneers in road and tree care. Whereas in the past, the company’s activities also included the felling of individual problem trees and the maintenance of greenery, today Weng specializes in roadside greenery along freeways and expressways. Thanks to an extensive fleet with several excavators, shredders and tractors, the felled material can usually be shredded and disposed of or recycled directly on site.

The company also takes care of machine transport and shut-off measures itself, thus offering a “one-stop shop” service. So it is no wonder that Weng has numerous year-round contracts around the Ruhr to manage the growing stock of trees and greenery.

“The quality and reliability of the SENNEBOGEN machines convinced us completely. We have to work quickly and efficiently on our jobs, we cannot afford downtime. The good service and support provided by the sales and service partner BRR Baumaschinen Rhein-Ruhr here in the Ruhr area also helps us in this respect,” concluded Torsten Weng.

Source: SENNEBOGEN Maschinenfabrik GmbH

The Sound of Silence

*Roger Simonsson, Managing Director
AquaJet
Special Collaboration*

Like the air we breathe, sound is an important, yet often overlooked, part of our daily lives.

And, just as air quality and its effects on health have become an important part of the safety conversation, the negative effects of sound exposure on employees and the public are a growing concern in certain industries — with construction and demolition key among these. Though vital to society's continued progress, the excessive noise produced by erecting, remodeling or demolishing structures contributes to a number of health concerns, including stress, hearing loss, cardiovascular disease and cognitive impairment.

With pressure mounting from all sides, finding efficient, cost-effective ways to limit sound pollution has become a major priority for contractors. But sound-proofing an active jobsite is easier said than done. Incorporating sound abatement techniques can reduce decibels, but there is no way

to completely eliminate the biggest onsite noise polluters — machines. So, contractors have begun looking to innovative manufacturers for creative equipment solutions to stem the noise.

Hydrodemolition is gaining popularity in concrete removal and surface preparation applications as a method that not only decreases decibels compared to handheld pneumatic breakers and other traditional removal techniques, but also offers a number of safety, productivity and environmental benefits. Hydrodemolition robots and silent-running support equipment allow contractors to crank up the volume on efficiency without disturbing the neighbors.

SURROUND SOUND

With construction and demolition operations taking center stage in noise pollution discussions, it is no surprise significant restrictions are being put on contractors by government agencies to protect workers and the public.

There is no denying that demolition and surface preparation applications are noisy and that some traditional techniques, such as handheld pneumatic devices, operate at unhealthy decibel levels. The amount of noise depends on a variety of factors, such as whether the project is taking place in an open or enclosed environment and the condition of the material being removed. However, when taken alone, these machines operate at the same or only slightly higher levels than many common, everyday noises. For example, handheld pneumatic devices and concrete saws operating as part of a road or bridge repair project register around 100 dB — about the same as a lawnmower or snowblower.

Hydrodemolition robots, on the other hand, typically operate about 10 dB lower, greatly reducing the overall noise pollution. Given the same road and bridge application, this would be about as loud as a passing motorcycle or subway train. The quieter operation is thanks in part to a heavy rubber hood over the demolition area that helps protect workers from flying debris but also dampens sound. And, while it does not decrease the overall decibel level the machine produces, remote operation increases sound safety by keeping workers at a distance.

SOUND ENGINEERING

Even if a piece of equipment is quiet, its support equipment may not be. Though necessary, support equipment can increase overall noise pollution and make sound abatement difficult for contractors and project managers.

The high-pressure pump that powers Hydrodemolition robots is a perfect example and one that needs to be considered carefully. Though the robots themselves are more quiet than traditional concrete removal methods, most hydrodemolition contractors use a diesel-powered, trailer-mounted, high-pressure pump setup that is as loud or even louder than the robot. This can jeopardize contractors' ability to meet sound regulations in urban environments and negate the benefits of the quieter hydrodemolition equipment. As a result, it is important to evaluate features that can

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allow equipment to run silently and meet even the most stringent noise restrictions.

One of the more common methods for reducing jobsite noise is to add temporary solid barriers — referred to as hoarding — around the work area or in a tight perimeter around the loudest equipment. The resulting physical shield helps to limit how much jobsite noise escapes to the surrounding area.

While hoarding works well, it takes extra time and resources to set up and often needs to be moved with the machinery, limiting productivity. This is even more true on crowded jobsites where even stationary equipment might need to be moved frequently.

Some of today's innovative high-pressure pump designs solve this problem by incorporating hoarding into the equipment itself for a self-contained system designed to reduce decibel levels to almost the point of normal conversation.

These sound-limiting pump systems often include a skid-mounted combination engine and high-pressure pump contained within a shipping container built with ad-



Hydrodemolition and the latest silent-running high-pressure pump system allow contractors to protect workers and the public from dangerous noise levels, while providing productivity above and beyond that of traditional handheld equipment.

vanced sound-absorbing cassettes. Though enclosed designs like this require a muffler to vent exhaust to the outside, engineers are able to incorporate exhaust silencers to limit low frequency engine sound.

Continually running engines are another aspect of high-pressure pumps that can increase noise pollution. In addition to isolating engine sound within a container, some designs also employ advanced stop-start technology — similar to that employed in automobiles — to temporarily

shut down the engine when not in operation. This method not only cuts down on noise levels, it reduces idling and can save as much as 20 to 25 liters of fuel per day. It also achieves these noise and fuel-reduction features without limiting productivity, as these systems are capable of running at full pressure at lower rpms as a result of a flat torque curve.

Enclosed high-pressure pump designs require careful considerations for how the sound-limiting features affect other areas

The advertisement for AQUAJET features a dark, industrial background. On the left, a hydrodemolition robot is shown in action, with a bright light reflecting off its surface. In the center, a large, circular concrete repair project is visible, showing a grid of rebar. The text "AQUAJET" is prominently displayed in red at the top right. Below it, the headline "NEED TO GET A CONCRETE REPAIR PROJECT DONE FAST?" is written in white. Further down, a sub-headline states: "A Hydrodemolition robot can complete the job 25x faster than jackhammers." At the bottom left, the "WORLD OF CONCRETE" logo is shown, along with the text "See us with Brokk at booth W703". At the bottom center, the text "Distributed by: Brokk Inc. | Monroe, WA | 1-360-794-1277 | Info@brokkinc.com | www.brokk.com" is displayed. At the bottom right, the website "www.aquajet.se" is listed.

of equipment operation, such as cooling systems. Placing the engine and pump within a container also isolates heat, which can be detrimental to the machinery if not properly separated. However, modern designs can combat this by incorporating new cooling technology like innovative liquid-to-air cooling systems allowing for efficient heat transfer with less noise. Electric speed-controlled fans can circulate external air through sound absorbing vents as part of a heat exchanger that covers the entire front of the container.

These innovations allow operators of enclosed systems to run the unit with doors and air vents closed, further limiting external sound. This also prevents debris



or outside air from entering the engine chamber during operation, permitting use in harsh environments such as harbors or cold weather.

SILENT PARTNER

Designing equipment with a focus on one feature or solving one challenge has long resulted in sacrifices in other areas of the system. However, today's advanced

engineering considerations allow for more well-balanced designs. Enclosed high-pressure pump systems reduce noise, but also offer a number of other benefits for today's urban jobsites.

A silent-running high-pressure pump system provides more flexibility when it comes to where it can be set up. On an urban operation this might be close to a building or even under a window. Trying to do the same with uncontained high-pressure pumps in a noise-sensitive environment can result in complaints,

limited productivity due to amended operating hours, and even elimination from future bidding opportunities. Compact, self-contained units also require much less time and fewer resources to set up, thanks to their existing hoarding systems, saving time and resources with every relocation.

This productivity boost continues during operation. Advanced systems require little to no direct oversight

during operation, allowing crews to focus on the job at hand, rather than the support equipment. This also limits worker exposure to the machine's loudest components. Some have state-of-the-art remote-control systems that command primary operation, as well as provide detailed information on systems and status. External lighting systems can visually communicate both information and warnings. These features



allow workers to perform almost all necessary adjustments during operation from outside the container and even from a great distance.

PEACE AND QUIET

As part of a well-designed sound abatement plan, hydrodemolition – and the latest silent-running high-pressure pump system – allows contractors to protect workers and the public from dangerous noise levels, while providing productivity above and beyond that of traditional handheld equipment. These benefits open up a wealth of new bidding opportunities for contractors, by granting them access to even the most sound-restrictive jobsites.

It is time to turn down the volume on concrete removal and surface preparation applications. Noise restrictions will only continue to increase as jobsites move further and further into heavily populated urban environments. Investing in quieter methods not only ensures contractors meet current regulations, but promises long-term options as the construction and demolition landscape continues to evolve.

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Steelwrist and Volvo CE Launch Factory-Mounted SQ Auto Connect Quick Couplers on Excavators

Steelwrist and Volvo CE continue to develop the partnership that started more than a decade ago when Steelwrist became the preferred supplier of true factory-mounted tiltrotators and quick couplers on Volvo excavators.

As the demand for fully-automatic quick couplers on excavators continues to grow rapidly, Volvo CE is now expanding the offering with Steelwrist SQ Auto Connect quick couplers directly from factory for both crawler and wheeled excavators between 9 and 32 t. The launch also includes work tool adapters in matching sizes.

With the fully-automatic SQ quick couplers operators can efficiently and easily

change between tiltrotator, hydraulic powered work tools and mechanical work tools, from the comfort of the cab.

"Thanks to the great cooperation with Steelwrist for many years, we are able to follow the latest technology evolutions on excavator attachments. The key of the success story was the factory preparation



CASE Delivers First Electric Backhoe Loaders to Utilities in New York

Two CASE 580 EV backhoes from CASE Construction Equipment were recently delivered and are currently working with utilities in New York State to New York State Gas & Electric (NYSEG) and Rochester Gas & Electric (RG&E), both subsidiaries of AVANGRID, Inc.

The machines require no fuel and produce zero emissions – all while providing the power and performance associated with diesel-powered equipment.

CASE announced the development of the electric backhoe in March of 2020, and has been working with each utility on refining the machines ahead of final delivery and field deployment. Electrification of the CASE 580 EV was performed in conjunction with New York companies Green Machine Equipment, Inc. and Moog Inc. Monroe Tractor in New York will work with each utility and the integration partners to support the equipment in the field.

NYSEG and RG&E president and CEO Carl Taylor believes that the deployment of electric construction equipment into the communities they serve is driven by sustainability and the desire to be responsible neighbors.

The 580 EV is powered by Green Machine's proprietary 480 V, 90 kWh lithium-ion battery pack that can be charged by any 220 V connection. While applications vary, each charge can support common 8-hour workdays. The battery separately powers the drivetrain and hydraulic motors, resulting in hydraulic breakout forces equal to diesel-powered machines and improved performance during simultaneous loader and drivetrain operation.

Source: CASE Construction Equipment



and installation, according to the feedback received from our satisfied customers. Because of the commitment from both brands, Volvo CE offers a consistent installation of Steelwrist symmetrical quick couplers (now also with SQ variant) and tiltrotators on a wide range of excavators," said Christian Berling, Volvo CE product manager for excavator attachments.

The face-lifted EC250E and EC300E also include the Smart Connect platform which allows for a seamless integration to the Volvo Dig Assist system with the Steelwrist factory-mounted tiltrotator. This includes the enhanced safety features and single quick coupler switch for the quick coupler locking system, 100% ready and CE-marked directly from the Volvo factory.

The Smart Connect platform has been a project where Steelwrist's sister company SVAB Hydraulik AB has participated in the development from start. Tool Recognition for work tool management can be added after delivery both to true factory fit- and retrofit installations.

With the Smart Connect platform the Steelwrist tiltrotators can be mounted at dealer sites with a plug and play installation including the single switch safety. This means that the Volvo dealer can reduce delivery time and optimize functionality to near the same level as a true factory-mounted installation even if the end customer buys a stock machine in the dealer yard.

Source: Steelwrist AB

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Strand Jack Technology Outperforms Traditional Crane for Chicago Bridge Cantilever Lift

Constructing the Cline Avenue Bridge while keeping the canal open to barge traffic, allowed heavy lift specialist Engineered Rigging to prove the flexibility of their Enerpac strand jack technology over a traditional crane approach to completing the span.

The new Cline Avenue Bridge is an elevated expressway in Northwest Indiana that connects the SR 912 to I-90, crossing over the Indiana Harbor and Ship Canal in East Chicago, Illinois. The bridge is 1.9 km long with a 96 m main span over the Indiana Harbor and Ship Canal, providing 30 m of vertical and 60 m of horizontal navigational clearance.

In the absence of traditional state funding to replace the Cline Avenue Bridge, innovation in its design and construction has been key. The privately-funded project has used low-maintenance concrete with an expected lifespan of over 100-years and a mix of traditional and new construction

techniques. In total, the bridge comprises 29 cast-in-place concrete columns supporting 685 post-tensioned concrete single cell box girders segments which make up the bridge's driving deck, with typical spans that vary between 52 m to 88 m. The piers range in height from 7.3 m to 26.2 m.

Assembly of the bridge was based on the balanced cantilever method with precast segments. Cantilevers were erected from the adjacent piers until they were within approximately 1.2 m of each other. A cast-in-place closure was inserted, after which continuity tendons were stressed across the joint to complete the span. In total, there are 28 cantilevers and 28 clo-

sure joint pours between cantilevers to complete the entire bridge. The bulk of the cantilever segment lifting and setting was completed using 2 separate large-capacity, ground-based, cranes. However, tackling the bridge span over the Ship Canal called for a different approach. Beyond the reach of ground-based cranes, some new thinking was required.

The bridge section over the Indiana Harbor and Ship Canal comprises 19 precast segments stretching 116 m column



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to column. The width of the canal is 40 m. Using a crane to lift the segments would have required floating the crane on a barge or using a floating crane to reach the midpoint of the canal span. Aside from the practical challenges of using a floating crane, this approach would have meant closing the canal to barge traffic for a number of weeks. Given the volume of maritime traffic that needs to use the canal, this was not a viable option.

"Cranes are great for lifting heavy objects, but their sheer size and cost often makes them impractical for some applications. Both factors came into play for the Cline Avenue Bridge project. Engineered Rigging was consulted to develop a practical alternative, and our expert engineering team was up for the challenge," said Christopher Cox, president, Engineered Rigging.

Mr. Cox and his team had to take into account factors such as the weight and size of each segment and keeping any disruption to the busy canal to a minimum. The bridge segments measured 3 m high, 3 m deep and 9 m wide, and weighed 68 t. Engineered Rigging's solution was to build the cantilever segmented bridge span using Enerpac strand jacks to lift the segments into position. While strand jacks are not the quickest lifting method, they provide massive lifting power in a small package. Moreover, they are secure, and their operation makes them essentially fail safe.

The strand jack lifting technique originates from the concrete post tensioning principle. A strand jack can be considered as a linear winch. In the strand jack, a bundle of steel cables or strands are guided through a hydraulic cylinder; above and below the cylinder are anchor systems with wedges that grip the strand bundle. A split flow pump is used to stroke the cylinders in and out while the grips are engaged in the anchors, a lifting or lowering movement is achieved. Over time, lifting systems maker, Enerpac, has refined the strand jack technique making it easier to deploy and manage with automated locking - unlocking operation, as well as enabling precision and synchronous lifting and lowering by a single operator.

Engineered Rigging developed a customized cantilever segmental bridge lift platform utilizing back span tie downs to counter the cantilever overhanging the bridge. Four 63.5 t strand jacks were used to lift the precast bridge segments into place across the waterway. Two beams extended from the platform with 2 strand jacks mounted on each beam. As each new segment was added the platform was moved forward using a combination of Enerpac launching cylinders and low-height skidding system.

The span construction involved placing the precast segment on a barge on the canal. Simultaneously the strand jack cables were lowered. The barge was moved under the cantilever lift system and each segment corner attached to a strand jack. Over the course of the next 2.5 hours the segment was lifted 40 m into position. During the final lifting stages, the strand jacks were also used to tilt and manipulate each segment as it was attached to the previous segment. Initially one segment was lifted and installed each day, although when canal traffic was light, up to 3 segments per day were added.

Engineered Rigging completed the



bridge span in just 16 days. Project lead for Engineered Lifting, Mike Beres, points to the importance of synchronized lifting when using multiple strand jacks.

"Enerpac Strand jacks were integral to the safe and on-time completion of the project. They pack tremendous lifting capacity into a small footprint. Moreover, the system software can control up to 60 jack/pump combinations so the potential for synchronous lifting is quite scalable. The flexibility of the strand jack system has allowed Engineered Rigging to use this equipment on many other projects across multiple industries."

The new Cline Avenue Bridge opened on December 23, 2020. The new bridge cost private operator United Bridge Partners more than US\$100 million (\$127 million) to build as a link to the casinos and steel mills along Lake Michigan. The 2-lane bridge is expected to carry 10,000 vehicles daily.

Source: Enerpac

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Cadel Works with FuelRight to Bring New Innovative Product to Market

Cadel Distribution recently announced that it has been working closely with FuelRight, the makers of highly concentrated specialized fuel additives, in developing a new retail type product for the marketplace.

The conventional fuel additive industry has evolved over many generations however, the focus remains limited to engine performance. Although diesel fuel does have significant advantages, water contamination seems to be the biggest concern. This leads to degraded fuel, fouled fuel strainers, and the formation of biofilms.

Pro+Active, with an impressive 1:10,000 mix ratio or 3,500 l of treated fuel per bottle, essentially dissolves all biofilms and separates water from the



any one of Cadel's 3 warehouses across Canada, namely Langley, British Columbia, Mississauga, Ontario and Montreal, Quebec.

Developed over the past 2 decades, Fuel Right Chemistry is unique and uses a powerful combination of amines to slowly dissolve existing sludge, while preventing growth and build-up of new sludge. These amines also protect tanks and fuel system components from corrosion, even in the presence of

against more than 85 competitive products and has outperformed everyone.

Founded in 1957, Cadel is part of the Heavy Vehicle Parts Division of UAP Inc. Cadel focuses its efforts on the specialized heavy-duty off-highway, marine, power generation, and forestry markets and the original equipment manufacturers.

As a member of ADS (Association of Diesel Specialists), Cadel's core products and applications include diesel fuel injection – through partnerships with Bosch and Denso, filtration, exhaust and emission components, wiper motors and products, LCD instruments and gauges, in addition to engine cooling management.



fuel ensuring the best quality fuel is being delivered to the injectors while inhibiting any fuel tank corrosion and bacterial contamination caused by the degraded fuel which clogs fuel lines and filters. Adding this new product to the already impressive number of product lines it currently handles, reaffirms Cadel as the innovative leader in the support to the Heavy Diesel off-road market.

These products are available through

Actual photos taken before, during, and after 1 year of continuous use of Fuel Right. Super Yacht "Little Blue" – Jade Yacht 2007 Bandido 90 Explorer, Caterpillar C-18 1750 hp.

free water and remaining old sludge. Fuel Right also improves lubricity thus extending the service life of injection pumps and other high wear fuel components. Fuel Right contains glycol ether, a necessary ingredient that protects against fuel line freeze-ups in cold weather climates.

Proven in laboratory testing over the past 16 years, Fuel Right has been tested

Cadel can offer complete, efficient and cost effective coverage from coast to coast. Source: Cadel, Div. of UAP Inc.

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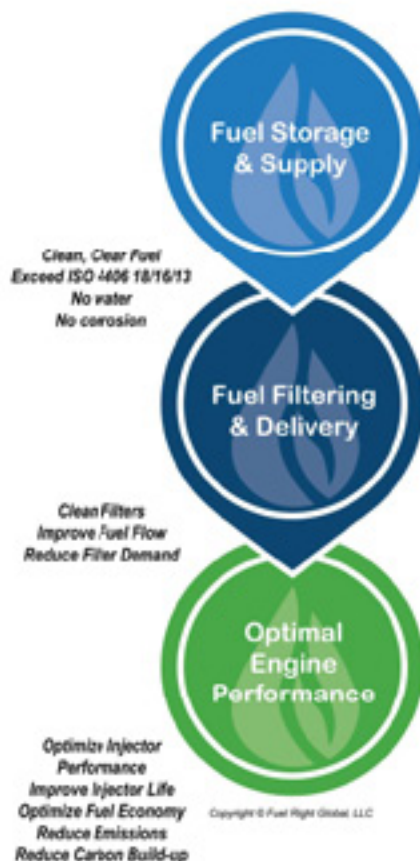


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Genie® Launches its Strongest Telehandler Yet

Genie recently introduced the newest addition to its telehandler lineup, the Genie® GTH™-1056 telehandler. Extensively field-tested to validate performance, the GTH-1056 has been purposefully designed to lower total cost of ownership by 10% while delivering 20% more lift capacity at max height in a machine with a 30% stronger design.

The GTH-1056 builds on popular features found on the proven GTH-636 and GTH-846 models, including a side-mounted engine and stronger boom design, to deliver a rugged, reliable telescopic handler with a 4,536 kg capacity.

"Customers provided critical feedback after operating multiple units for hundreds of hours on real jobsites," said Josh Taylor, Genie product manager. "Design enhancements focus on delivering reliable machine performance for increased productivity on even the most rugged and challenging of

jobsites, while improving serviceability and lowering total cost of ownership."

In addition to being built for performance, the GTH-1056 also was designed for durability.

"The GTH-1056 has undergone more testing than any other Genie telehandler previously brought to market," he added.

Able to lift 2,268 kg at maximum height of 17.25 m, and 1,361 kg at maximum reach of 12.8 m, the GTH-1056 boasts a 30% stronger boom and chassis. The

boom with mid-pivot point uses a single lift cylinder.

"This simpler configuration, combined with a wider, stiffer horsehead efficiently transfers loads in applications imposing high stress on the boom, such as pipe handling or suspended loads," explained Mr. Taylor. "Created for long-term productivity, the reformed GTH-1056 is a telehandler operators and rental companies can count on to get the job done."

Source: Terex Corporation





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Nomenclature Change for JLG® Rough Terrain Scissor Lifts

JLG Industries, Inc. recently announced that the JLG® LRT series of large rough terrain scissor lifts will transition to new model designations to align with the entire JLG scissor lift line. Moving forward, the models – 330LRT, 430LRT and 530LRT, respectively – will feature “RT” at the front of the model designation with the numerals to reflect maximum platform height and machine width. These JLG scissor lifts will now be known as RT3394, RT4394 and RT5394, respectively. Rental stores and operators can easily identify these updated models thanks to their refreshed decal design.

While these JLG scissor lifts now have a new name for family-line consistency, their specifications, features and benefits remain the same. Designed to provide the power and stability needed to handle uneven surfaces and congestion on job sites, JLG rough scissor lifts are equipped with standard oscillating axles so operators can expertly traverse rough terrain, gaining

better traction and grade climbing ability.

These models boast a large platform workspace to enable operators to move around with ease when working at height, as well as the ability to bring the materials and tools they need to the work area. The platform is designed to shed debris to allow for smoother extension deployment, which enables operators to use these machines more efficiently. Other operator-friendly features include: Smooth joystick operation for precise machine repositioning, low noise and vibration levels during operation and user-friendly leveling jack performance with quick leveling speed and a high degree of accuracy.

For enhanced serviceability, the JLG RT scissor lifts allow technicians full access to



the hydraulic and engine compartments, which makes these models easy to service. These models also are engineered for single-click calibrations using an analyzer and are equipped with a pin-based load-sensing system, which means that no weight is needed in the platform for calibration.

Source: JLG Industries, Inc.



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2004 TEREX T561-1XL 60 ton truck crane



2013 ALTEC 40127 on FREIGHTLINER



2013 MANITEX 2832C out and about 23 ton



2005 TEREX 30 ton on STERLING



2009 MANITEX 30 ton on INTERNATIONAL, Cummins engine



2009 MANITEX 30 ton on INTERNATIONAL, Cummins engine



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Mack® MD Series Exceeds Customers' Expectations

Mack Trucks' MD Series models are exceeding customer and dealer expectations for productivity and performance, resulting in strong order activity and driving increased interest in the medium-duty vehicles. The Mack MD Series includes the MD6, a Class 6 model, and the MD7, a Class 7 model. They are equipped with the Cummins B6.7 engine, an Allison 6-speed transmission and Meritor front and rear axles.

Launched on January 30, 2020 at Mack's Roanoke Valley Operations (RVO) facility in the Roanoke Valley, Virginia, where it is assembled, the vehicles were presented to the public in March during the 2020 Work Truck Show, in Indianapolis, Indiana.

United Site Services, a leading provider of portable sanitation and temporary site solutions with more than 120 locations across the U.S., recently purchased 137 Mack MD6 vehicles from Bergey's Truck Centers, Pennsauken, New Jersey. United Site Services, based in Westborough,



From l. to r.: Logan Teinert, fleet manager of Teinert Metals, and Randy Teinert, owner, who stand beside their first Mack® MD6, one of two in their fleet.

Massachusetts, has about 2,500 vehicles in its fleet, 75% of which are medium-duty vehicles.

Bruckner Truck Sales in Lubbock, Texas, currently has 180 Mack MD models on order and sees the vehicles as a strong opportunity for their leasing fleet. Teinert Metals, Inc., a family-owned and operated steel supplier based in Lubbock, is Bruck-

ner's first customer to receive the Mack MD6 truck. Teinert operates 18 trucks in its fleet and ordered the MD6 because of the positive experience the company had with the 2 Mack Anthem models it operates.

Source: Mack Trucks, Inc.

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..... **\$105,000**



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



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



1996 SMI 8400, GM / GM 700 hp, 4,000 t/h capacity, very clean **\$105,000**



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



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



1997 RPM TECH for snow depot, Cummins 475 hp engine, 3,600 h **P.O.A.**

Link Obtains Integrated Dynamic Suspension Control Business and More in Strategic Acquisition

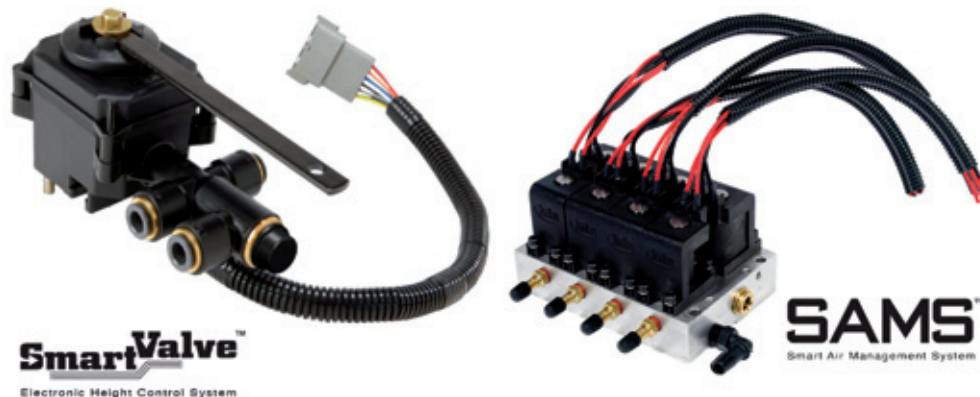
Link Mfg., Ltd. recently announced that it has finalized an agreement acquiring valve and suspension control product lines and related expertise from Hadley Products Corp. A manufacturer and supplier to commercial truck, bus, RV, military and specialty vehicle markets since the 1940s, Hadley's well-known brands include its award-winning SmartValve Electronic Height Control System and Smart Air Management System (SAMS).

As part of Link's investment, several key staff will be transitioning from Hadley to the Link team. Link will also obtain the rights to Hadley's dynamic air suspension control technology that improves aerodynamics, reduces rolling resistance and increases tractive performance by precisely balancing a vehicle's weight at speed. Hadley's entire portfolio of legacy mechanical height control valve

business is also being procured by Link in the transaction.

The move accelerates Link's expansion into the suspension control segment of the

commercial vehicle suspension controls affect handling characteristics, the safety and comfort of drivers, and the protection of cargo.



heavy truck market, increasing its synergistic influence on cab and chassis suspensions and extending its reach firmly into the trailer side of the marketplace. Overall,

With the 2019 introduction of its ROI Cabmate Suspension, Link had already emerged as the leading innovator in dynamic suspension damping for class 8 tractor cabs. Now, armed with Hadley's mechanically and electronically-controlled air suspension technology, Link will be an undisputed force in driver-focused safety, fuel efficiency and load management solutions as well.

One of the most significant components of the acquisition is the enhanced control system capability being secured by Link. In their previous work with major truck and trailer OEMs, Hadley's engineers have been key development partners in CAN bus system integration, using ISO 26262 compliance standards. Their experience and the proprietary firmware developed to interface with OEMs will benefit Link as the company seeks broader and deeper production integration with manufacturers in the future.

The newly acquired programming dexterity enhances Link's existing capabilities, enabling it to deliver suspension control technologies that are hardened to meet today's and tomorrow's cybersecurity demands. And as new, advanced electric vehicles are being planned, Link is well positioned to provide smarter air management systems that minimize compressor run times, thus conserving commercial EVs critical energy.

Source: Link Mfg., Ltd.

Hilti Introduces New SDS-MAX Combination Hammer Drill

Hilti North America expands its rotary and combination hammer tool portfolio with the next generation TE 70-ATC/AVR combination hammer. The new and improved tool will help commercial contractors and tradespeople drill up to 40% faster in reinforced concrete and demolish more concrete than the competitors in its class.



The TE 70-ATC/AVR combination hammer includes Hilti's exclusive technology, which stops the tool body from spinning uncontrollably if the drill bit jams.

The SDS-Max combination hammer also comes with a universal detachable power cord that fits 8 other Hilti tools. The detachable power cord feature makes for quick cord changes and reduces repair downtime caused by cut or frayed cords. It also includes a brushless motor, which will increase the tool's life, performance, and requires less service work compared to other brushed tool models on the market.

The TE 70-ATC/AVR is available now throughout the U.S. and Canada.

Source: Hilti Inc.

Appointments

The membership of the **American Rental Association (ARA)** has approved **Angie Venekamp**, general manager of Rental Network, in Squamish, British Columbia, as Region Ten director on the board of directors for the ARA, an international trade association serving the equipment and event rental industry. The ARA board of directors consists of 18 members who are rental business owners or manufacturers/suppliers to the rental industry.



In her role, Ms. Venekamp will represent ARA members from throughout Canada. She will work closely with rental operators to implement ARA's core purpose of supporting the success of members and advancing the equipment and event rental industry.

Angie Venekamp has been an active member of the Canadian Rental Association holding key leadership positions, including serving as national British Columbia director and president. She has also served as a member of the ARA Party and Event Shared Interest Group and attended the ARA Leadership Conference. For her contributions to the industry, she has been recognized as ARA Region Ten Person of the Year in 2012 and was named to Canadian Rental Service magazine's Top 10 under 40 in 2013.

Source: The American Rental Association (ARA)

Sullair recently announced that **John Randall** has been appointed president and CEO, effective April 1, 2021. Previous president and CEO Charlie Takeuchi has been promoted by Hitachi, Ltd., and will become president of Tokyo-based Hitachi Industrial Equipment Systems (HIES), effective April 1, 2021.



Mr. Randall has served as president of Sullair Asia. Prior to this role, he was vice president of Global Engineering for Sullair, a role he held for nearly 5 years.

Before joining Sullair, he held various leadership roles in his nearly 24 years with Navistar, including a 3-year assignment in India, where he launched a new heavy commercial vehicle platform and plant start-up.

"I have been honored to be a part of the Sullair leadership team over the past 6 years, and I am excited and energized to lead Sullair into the next phase of our journey," said John Randall. "Together with the Sullair leadership team, and our global workforce of 1,000 employees, I will work to build on the strong foundation Charlie has put in place. I am confident about our company's future and look forward to accelerating the value we bring to our customers."

Since 1965, Sullair has developed and manufactured air compressors with proven reliability and wear-free durability for use in manufacturing, oil and gas operations, food processing, construction and more. Sullair is a Hitachi Group Company.

Source: Sullair

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This 1946 Chevrolet Fleetmaster 4 door comes equipped with an inline 6 cylinder - single barrel carburetor, 3 speed manual transmission (3 on the tree), drum brakes, original AM radio, impeccable interior and headliner, all gauges work, heater and defroster, new fuel tank/sender, rebuilt front end, glass is perfect, Clean underneath. Shifts and drives like a dream, powered by the original 216.5 cu.in. 90 hp engine. Finished in gleaming emerald/royal blue (looks black) and is complete with original chrome hubcaps, trim rings and whitewalls. Minor ding above front right headlamp.



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Mauldin System 2021 P.O.R.	Year: 2018 Price: 36,700\$	Years: 2017-18-19-20 47"	Year: 2015 Price: 90,000\$	Year: 2017 Price: 479,000\$
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X-Broom by Nescon Mechanical Street Sweeper	Hamm HD12-13-14VV Rollers 47"-51"-54"	Crack Sealing Trailer Marathon Kera 160BRE	Hamm H5L Roller 54" IMR-1228	Liberty Mark III Air Sweeper IMB-1001
Year 2021 Price: 395,000\$	Year: 2016 Starting at: 29,500\$	Year: 2021 Price: 61,500\$	Year: 2020 Price: 112,500\$	Year: 2020 Price: 189,000\$
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Hamm H7IP Roller 66" IMR-1329	Dynapac F1200C Paver IMP-931	Hamm HD90VV Roller IMR-1137	Mauldin M415XT Grader With joystick control	Bomag BW177D-5 Roller 66" IMR-1326
Year: 2020 Price: 108,000\$	Year: 2016 Price: 125,000\$	Year: 2016 Price: 135,800\$	Year: 2021 Price: 220,000\$	Year: 2020 Price: 115,000\$
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Bomag BW190AD-5 Roller IMR-935	Case 621F Grader IML-1184	Bomag BW138 RollerAD-5 54" IMR-1338	Skeer Pro PLUS Leveling Blade Blade length: 7' to 12'	Witzco HGB-50 Trailer IMT-827
Year: 2017 Price: 160,000\$	Year: 2013 Price: 105,000\$ Winter tires included	Year: 2020 Price: 64,500\$	Year: 2021 Price: 14,500\$	Year: 2019 Price: 59,000\$

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Agenda

*Because of measures taken in many countries
to counteract the coronavirus pandemic,
it is essential to check whether an event you are
interested in will take place and... on what date.*

The ARA Show

*Rescheduled to October 18-20, 2021
Las Vegas, NV USA*

bauma CONEXPO INDIA

*Rescheduled to 2022
Greater Noida/Delhi, India*

inter airport south east asia

*Rescheduled to September 22-24, 2021
Singapore*



Intermat INDIA

*Rescheduled to October 18-20, 2021
Mumbai, India*

Work Truck Show

*Rescheduled to March 8-11, 2022
Indianapolis, IN USA*

World of Asphalt

*Rescheduled to March 29-31, 2022
Nashville, TN USA*

Atlantic Heavy Equipment Show

*Rescheduled to April 13-14, 2022
Moncton, NB Canada*

steinexpo

*Rescheduled to September 2023
Homburg/Nieder-Ofleiden, Germany*



INTERMAT Paris

*Rescheduled to April 2024
Paris, France*



InnoTrans

*Rescheduled to September 20-23, 2022
Berlin, Germany*

The BIG Event Canadian Mining Expo

*Rescheduled to an undetermined date
Timmins, ON Canada*

AORS Municipal Public Works Trade Show

*Rescheduled to June 1-2, 2022
Barrie, ON Canada*

World of Concrete

Exhibits June 8-10, 2021 • Education June 7-10, 2021
Las Vegas, NV USA

International Rental Exhibition (IRE) / APEX access show

*Rescheduled to 2023
Maastricht, the Netherlands*

Hillhead

*Rescheduled to June 21-23, 2022
Buxton, Derbyshire, UK*

The Utility Expo

September 28-30, 2021
Louisville, KY USA

inter airport europe

November 9-12, 2021
Munich, Germany



IFAT

May 30 - June 3, 2022
Munich, Germany

Svenska Maskinmässan

June 2-4, 2022
Stockholm, Sweden



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