



UPDATE



KOMATSU



Lloyd R. French IV



Dear Valued Customer:

Happy New Year! I hope 2025 has been off to a great start.

For years, GPS grade control has been used to enhance production and efficiency. Those employing integrated systems on their machines are assisted in increasing their production time by not having a mast or cables to take down or put up.

If you still have conventional excavators and are not using a grade control system, you may benefit from GPS by retrofitting those machines with Komatsu's Smart Construction 3D Machine Guidance. The solution is also now available as a factory install on new machines. As you're looking to upgrade your fleet, it is a good consideration. Read the article in this issue to learn more about the advantages of 3D Machine Guidance.

You can even get 3D Machine Guidance on a new Komatsu compact hydraulic excavator. These smaller machines pack a punch and are designed to drive high production in confined spaces, helping to reduce the need for hand digging. They are fast and versatile, and you can equip them with attachments for demolition and other tasks.

Compact excavators are just a small sample of the equipment Komatsu manufactures for various applications. You can learn about several new Komatsu machines, including a PC210LCi-11 Intelligent Machine Control (IMC) 2.0 excavator as well as HD465-10 and HD605-10 haul trucks.

There are also valuable articles about winterizing your machines and Komatsu's various Komatsu Care maintenance programs.

As always, if there is anything we can do for you, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read 'L. French IV'.

Lloyd R. French IV,
Division President,
Construction Mining Division

**Consider
retrofitting your
excavators**



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Continuing to excel

CMC Steel Texas meets customers' needs for recycled steel products that can be used in a variety of applications



James York,
Garage Manager



Ruben Pena,
Yard Technical
Specialist

If you have driven in Texas during the past few years, you know road construction is very prominent throughout the Lone Star State. Its legislature set a funding record in 2023 for general-purpose spending in the 2024-2025 biennium, including \$32.7 billion for state highway projects, meaning there is more roadbuilding for many years to come.

All that road construction creates a demand for materials such as steel, and CMC Steel Texas' mill in Seguin has been producing it for decades.

"Rebar is our main product, and we're producing it in a variety of sizes to meet customer need," said Garage Manager James York, who has worked for CMC Steel Texas in various roles during the past 38 years. "A very large percentage of it is going into road and bridge construction. That's been a part of our overall growth during the past few years. I would estimate we have grown 30% to 40% as a company since I have been here."

CMC Steel Texas is one cog in the global CMC machine that's headquartered in Irving and has more than 200 facilities worldwide. The Seguin location is part of a network of 10 mills across the United States that recycles scrap metal into high-quality steel products. In addition to rebar, the mill produces several items, including equal and unequal angles, channels, flats, rounds, squares, T-post stock, special shapes and billets.



Operator Melvin Ussery processes incoming materials with a Komatsu PC490LC excavator equipped with a shear. "It has very good production," said Ussery. "I love the machine."



"Typically, raw material is trucked or railed in to the mill from one of CMC's numerous scrap yards, and we sort and process it here into a finished product," explained York. "Some of it gets shredded, and some is already sized and goes directly into the furnace. During processing, we put in any additives that are needed. The finished product, such as rebar, is cut to length per customer specifications and shipped out. In total, we make more than 50 different products."

Standing up to the challenge

In addition to contractors building roads and bridges, CMC Steel Texas directly supplies entities such as the Texas Department of Transportation and CMC's affiliates to help fill customers' orders. Meeting often stringent specifications and high expectations for quality is of utmost priority and a big factor in the mill's success, according to Yard Technical Specialist Ruben Pena, who, like York, has worked at the mill for 38 years.

"We do everything possible to ensure that we are delivering the right material to the right location on schedule," said Pena. "We are very detail-oriented in our processes. Our Quality Management System is registered to ISO 9001 standards and in compliance with other quality programs. Focusing on those things has helped us develop many long-standing relationships."

Pena added that having the proper tools to process materials has been a factor in the mill's ability to better service customers.

"This environment is tough on machinery, and it has to be able to stand up to the challenge because it directly affects our ability to deliver our products on time," emphasized Pena. "The mill runs around the clock with two shifts, and our expectation is that our equipment does too, unless it's scheduled for service."

For most of the past decade, CMC Steel Texas has relied on Sennebogen rubber-tired material handlers to load and unload railcars and sort materials, as well as a Komatsu PC490LC excavator with a shear to process larger scrap into smaller pieces. All were purchased from Waukesha-Pearce Industries LLC (WPI) with the assistance of San Antonio-based Territory Manager Tommy Mayfield.

"Utilizing the Sennebogens and Komatsu is a great one-two combination," declared Pena.



► VIDEO

CMC Steel Texas uses Sennebogen 850 E material handlers equipped with grapples and magnets to sort and load materials. Operator Fabian Alvarado commented, "The production is good; it's fast, so I can get things done quicker than with our old competitive machines. It's also smoother, and I like that the screen shows info on fuel management, temperature, hydraulics and balance."

"The window for them to do their jobs is critical, and they deliver. We added the Komatsu excavator a couple of years ago as a replacement for a competitive brand that gave us a lot of issues with hydraulics and performance. It's been a big improvement. WPI helped us set it up and plumb it to run the shear."

CMC Steel Texas recently added a Komatsu WA500-8 wheel loader equipped with a larger non-standard bucket to handle bigger volumes of lighter material.

"We use it in the non-ferrous area to load fluff trucks and non-ferrous recoveries, which is stainless steel, copper and aluminum," noted Pena. "Even though it's the same size as the one we replaced it with, it's got more power, and the ride is smoother."

Sennebogen makes a huge difference

CMC Steel Texas was also having issues with its competitive brand of material handlers, including high downtime, parts availability and getting service. Pena emphasized that Mayfield and



WPI corrected that with the introduction of the Sennebogen material handlers. CMC Steel Texas runs two 850 E models and three 850 M models with cabs that elevate to nearly 20 feet, which Pena said is an advantage because operators have a clear view into trailers during loading and don't have to use "touch and feel to determine how full it is."

"We rented a small unit for a couple of years, and it did everything we wanted, so we began phasing out our other material handlers and adding in Sennebogen," said Pena. "With Tommy and WPI's



Discover more at
WPIUpdate.com

Continued...

'They have been very reliable'

... continued

guidance, we decided that going with bigger machines would be most productive. We use the 850 E models mainly to run 68-inch magnets and the 850 M models have 1.8-yard grapples. Another big advantage is the ability to more efficiently clean out a railcar compared to what we had before because we have more reach."

CMC Steel Texas also has a smaller Sennebogen 825 E material handler that it uses for various tasks such as helping in the rolling mill where space is limited.

"Longevity has also been a huge improvement with the Sennebogen material handlers," Pena added. "The last machines we had were pretty much done at 14,000 hours. Our first

Sennebogen has about 30,000. To get double life is great for us. They have been very reliable."

An aggressive approach to preventive maintenance is a key factor in keeping CMC Steel Texas' equipment productive, according to York. That includes having two resident WPI technicians on-site four to five days a week, depending on the workload.

"They do corrective work, troubleshooting and some bigger projects as needed, as well as PMs," explained York. "They also help teach our mechanics about the Sennebogen and Komatsu machines, and that's a big key process because that continuous learning from those guys will help us in the long run. We consider those techs part of our team and a component of the good working relationship we have built with Tommy, PSR Chris Miller and WPI as a whole."

Grow with the times

York sees the potential for additional growth at CMC Steel Texas.

"We have good upper management and corporate support, and they are continually trying to find ways to expand and become better at what we do," York commented. "There have been some changes here over the years such as adopting new technology, and I think that will continue as we grow with the times." ■

**The opinions expressed here are from the end user as quoted. The results described herein are those of these end users under certain conditions. Individual results may vary.*



CMC Steel Texas and WPI team members discuss maintenance and WPI's resident tech program.

An operator moves material with a Komatsu WA500-8 wheel loader equipped with a larger non-standard bucket.



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Move to Louisiana leads Rafael Gascot to form his own business that helps general contractors complete state and municipal project deadlines



▶ VIDEO
Rafael Gascot,
Owner



Discover more at
WPIUpdate.com

Eight years ago, Rafael Gascot moved with his wife and children to Louisiana in search of a new opportunity. The native of Puerto Rico had spent about 15 years in his previous home country working in his family's business, which mainly focused on residential subdivision sitework for private developers.

"The market went down after the mortgage crisis, so I decided to look elsewhere," recalled Gascot. "There was an opportunity here, so we came and checked it out and liked what we saw. I took the job as a superintendent with another company and eventually moved into a superintendent's role in its industrial sector. That gave me my first taste of state contracting work. I loved it and saw a lot of growth potential."

Gascot also learned about the benefits for minority-owned businesses on state contracting projects, which spurred him to start his own company. In 2017, he founded Covington-based Gascot Construction LLC, which is an 8(a) and Disadvantaged Business Enterprise-certified firm that focuses on heavy civil construction and utilities throughout Louisiana.

Gascot Construction offers a wide variety of services to general contractors such as clearing and grubbing; earthmoving; demolition; box culvert, water, sanitary sewer and fire system installation; and drainage system and pump station construction. The company also offers full site packages.

"Our certification benefits our customers by helping them meet the goal of a certain percentage of work being performed by a DBE," explained Gascot. "We continue to work with some of the biggest companies in Louisiana, and they have kept us so busy that we haven't felt the need to go beyond subcontracting at this point. The general contractors reach out to us every month for bids on state lettings. That's a source of pride for us because it shows we are doing good work."

Chasing bigger projects

Successful completion of numerous projects for its clients has fueled growth for Gascot Construction, especially the past two years. The firm has nearly tripled in size during that time, going from a dozen employees to 35 currently. They are split among the seven or eight jobs the business has going at any one time.

A recent project in the Covington/Mandeville area saw a Gascot Construction crew perform subsurface drainage and earthwork as part of improvements to existing on/off ramps and frontage roads on Route 190. The roughly \$2 million contract involved removing and replacing existing drainage pipe and structures with approximately 1,300 feet of new line, as well as excavating about 40,000 cubic yards of dirt for about a half-mile of embankment on the ramps.

"We consider that a mid-range project," commented Gascot. "Our average size is around \$4 million. It's all dependent on the scope of work that we are contracted for. We have done some jobs that are 5 or 6 miles long with a lot of drainage structures. We are chasing those bigger jobs with larger dollar amounts."

One of Gascot Construction's larger projects included work on a new four-lane highway in St. James Parish and Ascension Parish that involved removing the existing structures and installing drainage, box culverts, structural concrete and riprap. Gascot Construction provided a similar scope on another four-lane highway project on Louisiana 3241 in St. Tammany Parish that included embankment.

On the Comite River diversion project in East Baton Rouge Parish, Gascot Construction crews installed drainage structures and R-90 riprap.

Gascot Construction lowers concrete storm pipe into a trench with a Komatsu PC138USLC-11 excavator.





Operator Jose Revera digs a trench with a Komatsu PC360LCi-11 Intelligent Machine Control (IMC) excavator. "The GPS is helpful for getting to target grade and not going past," said Revera. "The excavator is strong and fast. It has good power, so I can lift pipe and boxes with no issues."

Komatsu checks all the boxes

As Gascot Construction's projects grew in size and scope, so did its equipment fleet. Long before Gascot made the move to Louisiana, he was pro-Komatsu. Upon starting his own business, Gascot contacted Waukesha-Pearce Industries LLC Sales Representative David Bell to acquire a PC138USLC-11 excavator. Gascot has since added several more Komatsu excavators, including a PC290LC-11, a PC170LC-11, as well as PC290LCi-11 and PC360LCi-11 Intelligent Machine Control (IMC) models.

"We rely heavily on excavators, and Komatsu gives us the best performance," said Gascot. "We equipped the PC138 with a rotating wrist to allow for digging straight on or at an angle, and it's been great. Because it doesn't have the standard counterweight, we can fit it into tight areas. It's ideal for putting riprap around piles on abutment work."

Gascot continued, "We added the long-reach PC290LC-11 recently for riprap installation on the Comite River project because that was what the job required. We also use it for box culvert installation. It's great for canal work where you can't really get up close. We can reach out 60 feet with it."

Gascot Construction digs footings and lifts concrete buckets into place with the PC170LC-11 and uses the IMC excavators to efficiently dig to grade with limited or no staking.

"The job is right there on the screen in front of the operator, and once they hit target depth, the machine won't let them dig any deeper," said Gascot. "You always know where you are in relation to finish elevation. It eliminates uncertainty. That made us pursue the IMC models. I would say with those excavators, we are 25% to 30% more efficient. They save time and significantly reduce or eliminate rework. An additional advantage is they have the power to lift and set pipe and the heavy culvert boxes we deal with."

Additionally, Gascot Construction uses a GPS-equipped D39PX-24 dozer to push and grade in open spaces and tight areas, and operators move material and pipe as well as backfill with WA320 and WA270 wheel loaders.

"I want equipment that's reliable, agile, has power and gives me a good five or six years of service," stated Gascot. "Komatsu checks all the boxes. My first piece was a PC220 I bought in 2004 while I was still in Puerto Rico, and I kept adding. I fell in love with Komatsu. They gave me no problems,

Continued...

'David and WPI have been huge difference-makers'

... continued

and even with years on them, they were productive. That experience made it easy to go with Komatsu when I came to Louisiana."

Gascot added, "David and WPI have been huge difference-makers for my business. They make things happen and are agile in getting us what we need in both equipment and service. For instance, they helped equip the wheel loaders with flotation tires, so we could work in the soggy soils and unstable areas that are frequent in this area. WPI takes care of service through Komatsu Care. It's been great working with David and everyone else we have dealt with at WPI."

Finding the balance

Gascot is still navigating where he wants his company to be. On one hand, he wants to continue growing as rapidly as possible. On the other, he doesn't want to go too fast and jeopardize the ability to provide quality work.

"It's a fine balance," Gascot emphasized. "Growth came fast, and we can't complain about the spot we're in, but I think everything takes time and experience. I have to remind myself that it's better to do two jobs perfectly than do four and have them not be great. I want the company to be healthy for everybody, so the employees are successful and can take care of their families, and we can best serve customers."

He's also looking to expand into other markets, if it makes sense to do so.

"I think the next logical step would be getting into the federal market," said Gascot. "We are trying not to have all of our eggs in one basket. It may be possible to look at expanding our territory as well. We are certified in Texas, Mississippi and Florida, and we get a lot of requests for work there, but there is so much work here that we haven't pursued that much. At this point, we're booked out the rest of the year right here." ■

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WPI Sales Representative David Bell (left) talks with Gascot Construction Owner Rafael Gascot on a job site.



Operator Santos Lopez moves pipe with a Komatsu WA320 wheel loader equipped with flotation tires. "We use it for carrying pipe and materials, so it's versatile," said Lopez. "With the tires, we can get through the mud and sand better, and keep running. The loader is comfortable and easy to operate."



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Worker shortage impacts building industry

Fully 94% of construction firms report having a hard time finding employees, undermining efforts to build infrastructure and other projects

According to a recent survey,¹ the nation's current level of investment in construction workforce education and training programs is having a real and measurable negative impact on the country's ability to build infrastructure and other construction projects. The Associated General Contractors of America (AGC) and Arcoro, a leading HR technology company supporting the construction industry, conducted the workforce survey. Fully 94% of contractors reported they are having a hard time filling open positions. Construction officials called on federal leaders to adopt more robust workforce policies.

"The most likely path to addressing construction workforce shortages is for the federal government to adopt better workforce policies," said Jeff Shoaf, AGC's Chief Executive Officer, when the report was released earlier this year. "Federal officials need to support, instead of undermine, our national infrastructure and economic development policies."

Firms reported having trouble filling at least some positions — particularly among the craft workforce that performs the bulk of on-site construction work. Association officials noted that 28% of contractors reported having at least 11 unfilled craft positions as of June 30, 2024.

According to AGC, the survey shows workforce shortages are impacting contractors' ability to

build projects. More than half (54%) of contractors reported experiencing project delays because of workforce shortages. Labor shortages are more likely to cause project delays than other causes, like supply chain challenges and shipping delays.

"The most likely path to addressing construction workforce shortages is for the federal government to adopt better workforce policies."

*- Jeff Shoaf,
CEO of AGC*

More training investment needed

One reason it is so difficult to find people is that there is a need for increased investment in construction workforce training and education. Shoaf noted that a report² the association recently released in partnership with the Progressive Policy Institute found that federal officials invest four times more each year in encouraging students to earn four-year degrees than in supporting workforce development programs for fields like construction.

Construction officials noted that 62% of respondents reported that available candidates were not qualified to work in the industry because they lacked the required skills or certificates. Also, 43% reported that employees lacked required documentation like a driver's license, work permit or clean background check. Half of firms reported that new hires fail to show up or quit shortly after starting.

Contractors are taking steps to overcome labor shortages. According to the survey, 91% of firms reported increasing base pay rates for hourly construction positions during the past year. In addition, 57% of firms reported adding online strategies to recruit younger workers, and 51% have engaged with career-building programs like high schools or training facilities.

Contractors are also increasing investments in internal training to address candidates' lack of hard and soft skills. Almost half (42%) of firms reported initiating or increasing spending on training and professional development programs to address workforce shortages. Also, 26% reported increased use of learning programs with strong online or video components.



Firms are having trouble filling open positions, particularly among the craft workforce that performs the bulk of on-site construction work.



According to the 2024 Workforce Survey,¹ 25% of firms are using technology to deliver worker training programs.

The survey also shows that construction firms are using human resources technology to address workforce challenges. Association officials noted that one in four firms reported using technology to deliver worker training programs. Meanwhile, 34% of respondents have partnered with a third-party firm to establish training courses and professional development.

Taking steps to help

Shoaf noted that the association is taking various steps to help the industry cope with labor shortages. AGC has partnered with its chapters to run more than a dozen targeted digital advertising campaigns to reach and recruit new workers. The association has created recruiting resources for member firms and its chapters, and it regularly hosts virtual and in-person gatherings to share workforce development success stories.

In addition, AGC chapters run a host of training and recruitment programs. They have partnered with local school districts to create new construction academies and pre-apprenticeship and registered apprenticeship programs. AGC chapters also build and support networks of career and technical education teachers and host dozens of construction career fairs each year, among many other workforce efforts.

However, association officials said more must be done to address construction workforce shortages. They called on Congress and the White House to significantly boost funding for construction-focused education and training programs. They urged Congress to allocate

more funds for workforce training as part of the Workforce Innovation and Opportunity Act and to boost funding for in-school construction programs as part of the Perkins Vocational and Technical Education Act.

"Considering all that this industry and our association are doing to prepare, recruit and retain new workers, we are confident that better federal workforce policies will make a meaningful and lasting difference for the better when it comes to the construction workforce," Shoaf added.

AGC and Arcoro conducted the 2024 Workforce Survey in late July and early August. Nearly 1,500 firms completed the survey from a broad cross-section of the construction industry, including union and open shop firms of all sizes. The 2024 Workforce Survey is the association's 12th annual workforce-related survey. ■

By the numbers

According to the 2024 Workforce Survey:¹

- **94% of firms** are having a hard time filling open positions
- **54% of firms** are experiencing project delays due to workforce shortages
- **57% of firms** have added online strategies to recruit younger workers

1. chrome-extension://efaidnbmninnibpcapjcgclcfndmkaj/https://www.agc.org/sites/default/files/users/user21902/2024_Workforce_Survey_National_FINALIZED.pdf

2. https://www.agc.org/sites/default/files/Files/Communications/PPI_AGC%20Workforce%20Report_Final_EMBARGO.pdf

Are you prepared for low temperatures?

Five essential steps for winterizing your machines to keep them running strong in frigid temps

For most locations, cold weather has the potential to impact job sites. Preparation is the key to protecting your equipment investment. Whether you run your machines in frigid temperatures and want to continue reliable production or store them to protect against the elements, follow these five steps for winterizing success.

Choose the right fluids and purge

Switching to a winter-blended fuel helps protect your engine and its components as temperatures go down. Traditional diesel tends to gel and develop condensation in colder temperatures and can freeze if there is too much water in it. High water content can also cause filters to freeze, expand and burst. Fuel tank water and sediment should always be drained off.

Newer machines that use diesel exhaust fluid (DEF) need special attention, whether you're using them or storing them long term because

DEF freezes below 32 degrees Fahrenheit. Before shutting down for the day—or for months—the automatic DEF line must be purged to ensure that it is empty. This helps prevent expansion that could damage system components.

All fluid levels should be checked consistently to ensure they are at proper levels. Use a low-viscosity oil and coolant with a freeze-level protection rating to help avoid major damage to the engine or other systems at low temperatures. A block heater is another consideration when parking overnight.

Keep batteries charged

Cold weather stresses batteries, so inspect for damage before winter usage and replace, if necessary. If you plan to use your equipment, make sure the battery is fully charged. Check that the water and acid levels are properly filled if the battery is not sealed.



Preparation is important to maintain your equipment's production during the cold winter.



Inspect your machines before operating in all conditions, especially in cold weather. Pay close attention to hoses, belts, fluids, batteries and tracks.

If you park your equipment long term, check the water or acid levels. Maintenance-free batteries should be fine. The battery disconnect switch must be turned off when storing a machine for a long time. To prolong its life, consider removing the battery and putting it in a temperature-controlled climate.

Visually inspect before startup

Before operating, thoroughly inspect the machine to check for irregularities and address them before starting up to prevent potential damage. Let the machine warm up to the proper operating temperature and cycle through functions to allow fluids to move before doing any work.

Keep track of the undercarriage

If your machine has an undercarriage, pay special attention to it during cold conditions. Brush off any snow that may have accumulated overnight or during breaks before entering the machine to reduce the chance of slipping when entering the cab.

It's especially vital to keep tracks cleaned as frozen mud and debris cause problems with the undercarriage, including seals and the housings of the final drive. It prevents the

rollers from turning during travel, which causes flat spots on the carrier and the bottom rollers.

Extremely cold temperatures can cause tracks to freeze to the ground. To prevent this, park your machine on timbers, small pieces of wood in forest areas or another barrier when not operating, if possible.

Don't overlook the cab

Cabs are often an afterthought when it comes to cold temperatures, but they shouldn't be. To keep operators comfortable, ensure the heater is properly working. If your machines have heated seats, check to see if they work.

When storing the machine, thoroughly clean the cab and remove any debris, especially food-related items. Inspect it to ensure there are no holes or missing filters and the doors are sealed properly. Doing so helps keep pests such as rodents from nesting and potentially destroying the operator's cab.

If you follow these five proactive steps, you can have the confidence and peace of mind that your valuable equipment investments will perform and stay in top shape when the thermostat dips. ■

Developed with contractor input

PC210LCi-11 IMC 2.0 excavator helps control for overdigging and delivers versatility in a compact, easily transported size

Are you looking to help lessen the skill gap between new and experienced operators and quickly support your bottom line? Komatsu's Intelligent Machine Control (IMC) is designed to do just that. IMC is part of the company's suite of Smart Construction products, services and digital solutions incorporating advanced, proprietary machine technology. Developed with input from leading construction companies, IMC gives contractors sophisticated,

productivity-enhancing automation along with cutting-edge job site design.

Komatsu's IMC 2.0 lineup includes the 165-horsepower PC210LCi-11 excavator. A smart choice for contractors who need a versatile solution that still offers an excellent range, the PC210LCi-11 is Komatsu's smallest IMC excavator. It is designed for digging in exacting applications such as precise footings, retention ponds and utility work. Its factory-integrated system helps control for over-excavation and empowers operators to dig straight to grade quickly and accurately.

"It's great for a range of applications, and it especially shines in utility work where precise trenching is involved," said Nathaniel Waldschmidt, Product Manager, Excavators, Komatsu. "Our technology won't let operators dig past target elevation, so having to put material back or replace it with expensive fill can be virtually eliminated. That also helps newer operators get to grade fast and confidently."

Automated features

Operators can finish grades quick and with precision by using bucket angle hold control, which automatically holds the bucket angle to the design surface during arm operation. This enables finished grading using only arm input.

"With bucket angle hold, they can curl the bucket all the way in and use the heel to really smooth out the final pass," explained Waldschmidt. "That just helps increase the ease of operation and helps improve final grading accuracy."

The PC210LCi-11's auto tilt bucket control assists the operator in aligning the bucket parallel with the slope, so finish grading can be accomplished without having to align the machine with the target surface.

"You can run a tilt bucket and increase efficiency because the bucket will tilt automatically directly to the plane of the design surface," stated Waldschmidt. "It makes complex grading a lot faster and easier." ■



The Komatsu PC210LCi-11 Intelligent Machine Control (IMC) 2.0 excavator features bucket angle hold control and auto tilt bucket control, which help operators finish grading efficiently.

Quick Specs	
Model PC210LCi-11	Horsepower 165 HP
Operating Weight 51,397-53,882 lbs.	Bucket Capacity 0.66-1.57 yd³



Technology to help you work smarter



Maximize productivity on your job sites with advanced automation technology. **Komatsu's Intelligent Machine Control (IMC)** can help you get the most from your machines, crew and carefully designed plans.

- Get new operators up to speed quickly
- Go from mass excavating to finished grading faster than ever
- Helps eliminate potential damage to design surface
- Empower operators to work efficiently, pass after pass

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WPI IMC CARE SUPPORT

Bring 3D to conventional excavators

Drive productivity by giving operators high-precision data with Komatsu's Smart Construction 3D Machine Guidance

Are you looking for an easy way to improve your conventional excavator's grading performance? Access to 3D advantages offered by Komatsu's Smart Construction 3D Machine Guidance can help by quickly providing operators with the latest design data, effectively measuring payload volume and load counts as well as monitoring production from the office.

Smart Construction 3D Machine Guidance is an entry-level technology solution that brings 3D to conventional excavators, giving operators in the field and managers in the office access to 3D design and topography data that help drive accuracy and promote optimized operations. Using a global navigation satellite system, a machine can determine where it is on the job site and what the target grade is as well as eliminate the need to set up a laser or bench every time the machine moves.

"3D Machine Guidance is an indicate-only system that plays nicely between a standard excavator and Komatsu's Intelligent Machine Control excavators with factory integrated semi-automatic grade control," explained David Yim, Solutions Manager for 3D Machine Guidance with Komatsu's Smart Construction team. "A major benefit of 3D Machine Guidance is that the operator can dig only what's needed, so there's no wasted production and reduced material handling. That allows the operator to be more efficient, saving time and money in the operation."

3DMG Basic, Steer To Indicator

Yim noted that Smart Construction 3D Machine Guidance — formerly Smart Construction Retrofit — has new features such as 3DMG Basic that will eliminate the need for a project file.

"After a project has been localized, an operator can touch the bucket to the ground to create a flat plane surface directly from where the cutting edge is," said Yim. "They can also touch point A then point B and create a sloping surface. Another new feature is the Steer To Indicator that offers horizontal guidance along with vertical guidance. That's a powerful tool for those working in utility applications."

Smart Construction 3D Machine Guidance helps lower the costs of bringing technology into your operations with compact and modular kits that fit most sizes of Komatsu excavator models, including the HB365LC-3 hybrid excavator.

"It is now available as a factory-installed option on new machines or as an add-on through your Komatsu distributor," Yim indicated. "3D Machine Guidance can also be installed and used on many OEM brands of excavators. We encourage anyone who's looking for a system that will improve the production and efficiency of their conventional excavators to contact their distributor about adding 3D Machine Guidance." ■



Watch the video



Komatsu's Smart Construction 3D Machine Guidance is an entry-level technology solution that brings 3D to conventional excavators, giving operators in the field and managers in the office access to 3D design and topography data that help drive accuracy and promote optimized operations.

► VIDEO



From tight quarters to open spaces

Komatsu compact excavators deliver high production in a wide range of applications



Watch the video

To get high production in confined spaces, you need the right equipment that lets you dig without worrying about hitting structures or obstructions. Komatsu’s compact hydraulic excavators offer the design and engineering to get the job done, according to Komatsu Business Development Manager Taimoor Khan.

“Our compact excavators are sized right for work in close quarters whether it’s next to a house or a building, in a lane of traffic, or near trees or other sensitive environmental elements,” said Khan. “They are built to the same engineering durability requirements as our larger construction and mining excavators. They are quick and reliable, and all come with rubber tracks that reduce ground impact and marring of paved surfaces.”

Four models are available, ranging from the 24.4-horsepower PC30MR-5 to the 38-horsepower PC55MR-5. All can be equipped with buckets for digging or a variety of attachments for use in demolition, landscaping and other applications. All are available with open or closed cabs.

“Which one best fits your operations depends on how you plan to use it,” stated Khan. “All are equipped with the hydraulic lines to easily switch attachments or run a thumb. That gives customers versatility with the ability to do several jobs with one machine.”

In addition to tight quarters, Komatsu’s compact excavators can be used for production in open spaces.

“We see a lot of customers use these machines on larger construction sites where you may not need the power and footprint of larger excavators such as shallow utility digs,” said Khan. “With proper ventilation, you can also use them for indoor applications. There is a wide range of uses beyond just utilizing them for tight spots.”

Add 3D Machine Guidance

Adding Komatsu’s Smart Construction 3D Machine Guidance can further increase productivity and efficiency. The add-on kit is an indicate-only system that brings 3D to most conventional Komatsu excavators, giving operators 3D design and topography data that help drive accuracy and promote optimized operations.

“3D Machine Guidance adds further value to these high-quality, dependable compact excavators,” noted Khan. “If you are looking for production in a utility-sized machine, these make a great addition to your fleet and are backed by a two-year or 2,000-hour warranty.” ■

Quick Specs

Model	Horsepower	Operating Weight	Bucket Capacity
PC30MR-5	24.4 HP	6,812-7,143 lbs.	0.07-0.21 yds ³
PC35MR-5	24.4 HP	8,201-8,532 lbs.	0.07-0.24 yds ³
PC45MR-5	38 HP	10,737-11,001 lbs.	0.07-0.21 yds ³
PC55MR-5	38 HP	11,354-11,618 lbs.	0.07-0.24 yds ³

Komatsu’s compact hydraulic excavators work in a variety of applications, especially on job sites with limited space.



▶ VIDEO

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An ATLAS 270 material handler uses its 46 feet of reach to sort and load scrap around this yard. Scan the code to discover why this customer calls his ATLAS a "game changer."



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ATLAS MATERIAL HANDLERS

MODEL	WEIGHT	REACH	STICK	BOOM	GRAPPLE	HP
ATLAS 200 MH	44,000 lbs	33'	13' 2"	19' 8"	.5 yard	143
ATLAS 270 MH	65,000 lbs	46'	19' 8"	26' 3"	.75 yard	175
ATLAS 300 MH	68,000 lbs	46'	19' 8"	26' 3"	.75 yard	175
ATLAS 350 MH	80,640 lbs	53'	22' 8"	31' 0"	1 yard	245
ATLAS 400 MH	98,000 lbs	57'	22' 8"	34' 9"	1-1.25 yard	245
ATLAS 520 MH	125,000 lbs	62'	30' 4"	32' 2"	1.5-2 yards	295



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Extended warranty coverage options

Komatsu Care programs help you efficiently determine total cost of ownership during your machinery's lifetime

Making variable costs associated with total cost of ownership (TCO) — repair and maintenance, fuel, hourly wages — predictable can help you budget and avoid large, unplanned expenses. It also contributes to efficiency in estimating, bidding and determining operating expenses. One way to support effective cost management is to purchase an extended warranty and extended periodic maintenance with fixed costs for maintenance and repairs.

Machinery comes with a standard warranty that covers a certain number of hours or years. Once the machine hits those marks, the owner covers any other, and often unpredictable, expenses. Extended warranties offer the advantage of, for a relatively nominal monthly charge, the peace of mind that when service or repairs are needed, they will be covered, mitigating against being hit with a potentially big bill.

Komatsu offers several options, including Komatsu Care Plus for extended maintenance for up to 10,000 hours, Komatsu Care Plus II

for extended maintenance and repair for up to 12,000 hours, and Komatsu Care Advantage for extended repair coverage. Three options are available with Komatsu Care Advantage: Powertrain, Powertrain Plus and Premier. Services are performed by Komatsu-certified technicians using Komatsu Genuine Parts and fluids.

“Most Komatsu construction machines have Komatsu Care Complimentary that covers scheduled services for the first 2,000 hours or three years, as well as two diesel particulate filter exchanges,” said Ryan Boekeloo, Manager, Aftermarket Contract Business, Komatsu. “Komatsu Care Plus extends that coverage after the complimentary period. Komatsu Care Plus II provides the same with the addition of repairs for further certainty, and it is currently our most utilized option. It’s geared toward those that want maintenance and repairs covered but will handle taking care of consumable items themselves.”

Komatsu Care Plus III is an option for larger wheel loaders, rigid frame trucks and dozers.

Komatsu Care Complimentary	Komatsu Care Plus	Komatsu Care Plus II	Komatsu Care Plus III	Komatsu Care Advantage
<i>Complimentary maintenance</i>	<i>Extended maintenance</i>	<i>Extended maintenance and repair</i>	<i>Extended maintenance, repair and consumables</i>	<i>Extended repair coverage</i>
<ul style="list-style-type: none">• Automatic scheduling• Maintenance parts and fluids• Travel and labor included• KOWA oil analysis• 50-point inspection• Service record history• Eligible for Komatsu Certified	<ul style="list-style-type: none">• Automatic scheduling• Maintenance parts and fluids• Travel and labor included• KOWA oil analysis• 50-point inspection• Service record history• Major component assurance• 100% core guarantee• Special financing• Eligible for Komatsu Certified	<ul style="list-style-type: none">• Automatic scheduling• Maintenance parts and fluids• Travel and labor included• Genuine parts• KOWA oil analysis• 50-point inspection• Service record history• Comprehensive repair coverage• Diagnostics included• Competitive pricing• Special financing• Eligible for Komatsu Certified	<ul style="list-style-type: none">• Automatic scheduling• Maintenance parts and fluids• Travel and labor included• Genuine parts• KOWA oil analysis• 50-point inspection• Service record history• Comprehensive repair coverage• Consumables• Diagnostics included• Competitive pricing• Cost-per-hour billing• Eligible for Komatsu Certified	<ul style="list-style-type: none">• Customizable repair coverage• Powertrain — powertrain components only• Powertrain Plus — powertrain and hydraulic systems• Premier — comprehensive machine coverage• Travel and labor included• Genuine parts• Diagnostics included• Service record history• Special financing

Distributor representatives can help you determine which Komatsu Care plan is right for your operation. Several options are available to cover maintenance, repairs or both.



Komatsu Care services are performed by Komatsu-certified technicians who use Komatsu Genuine Parts as well as fluids.

This program is designed for businesses such as quarries and mines that keep equipment for 30,000 hours before rebuilding or taking it out of service. Like the other Komatsu Care programs, it covers scheduled maintenance and repairs. Komatsu Care Plus III is designed to be even more comprehensive because it includes brakes, hoses, pins and bushings, and the cost is based on utilization.

Cost-per-hour billing plan

The cost-per-hour billing plan is another option that can help you take control of your ownership and operating costs as machines age. The plan provides unlimited scheduled maintenance services at a fixed rate for 60 months.

This subscription-style billing plan gives customers a cash-flow-friendly alternative and lets them extend coverage beyond a warranty period. There is a nominal upfront opt-in charge. Customers then set their cost per hour for 60 months and are billed based on the machine's monthly usage. Price protection is built in as the rate doesn't change.

Benefits of cost-per-hour billing include:

- Unlimited hours
- Up to 60 months of coverage
- Price protection

- Total periodic maintenance (oils, filters, labor, travel and oil sampling)
- Monthly payments based on machine utilization reported in Komtrax
- National coverage

Usage is tracked with Komatsu's Komtrax telematics system. Added peace of mind comes in knowing that, as with other Komatsu Care offerings, the services performed with Komatsu Care Plus under the cost-per-hour billing arrangement are done by certified technicians.

This billing arrangement is restricted to current production models such as -11 excavators. Hourly rates vary depending on the machine. Once the initial 60-month period ends, customers may opt in again at the current rate. Customers can cancel their subscriptions any time after 1,000 hours and two completed services without penalties or fees.

"Customers often add coverage with the initial machine purchase, making the transition from initial Komatsu Care to their extended program part of the purchase price and seamless," said Boekeloo. "They can add on later, too. The coverage they choose will depend on a few factors, so we recommend consulting with their distributor representatives to get the right one for them." ■

A sustainable future together

Cutting-edge equipment and technology that balance productivity and sustainability showcased during MINExpo 2024

The theme of MINExpo 2024 was “A sustainable future together.” With one of the show’s largest and most comprehensive booths, Komatsu shared its vision for sustainable mine optimization, which has been born out of a collaboration with customers to unlock the full potential of Komatsu’s solutions and technologies.

Komatsu featured equipment, technology and service solutions that addressed sustainability and electrification, surface mining, underground hard rock mining, underground soft rock mining, blasthole drilling, quarry and aggregate mining and crushing. In addition to highlighting the electrification of mining equipment and autonomous machines, Komatsu showcased connected and interoperable solutions, teleremote operations, telematics and machine health data, digitalization, smart solutions and more.

“We’re excited to show our vision for sustainable mining and optimization of mines, and how we intend to work with customers to help them tackle key challenges in their mines,” said Peter Salditt, President and CEO, Komatsu Mining Corp. “There is a tremendous effort, will and interest in looking at sustainable mining and decreasing our carbon footprint. We feel that we are particularly well-placed to address electrification as many of our products have been electrified for a long time.”

Electrification is a critical step toward reducing emissions from mining equipment and helping mining organizations meet their sustainability goals. Komatsu is committed to helping mining organizations reduce their environmental impacts by developing a range of products and solutions designed to meet their needs wherever they are on the path to sustainability. The company’s electrification initiatives are built on its decades of experience in electrifying equipment for its electric drive trucks and loaders and fully electric underground soft rock mining machines. Komatsu is now expanding on that knowledge to develop electrification solutions for all areas of mining.

Innovative machines

Featured products during MINExpo included the PC4000-11E electric drive hydraulic mining excavator and the Power Agnostic 930E haul truck. The PC4000-11E delivers the powerful digging force operators need and expect from high-performance diesel machines while reducing emissions. The 930E is built on Komatsu’s modular power-agnostic platform that will allow for a transition from diesel to battery or even hydrogen fuel cell power sources. This innovative truck also supports dynamic charging and trolley assist options to reduce fuel consumption and emissions further.

During the show, Komatsu gave customers a firsthand look at two teleoperation advancements for its blasthole drills and mining dozers that can help drive mine safety, productivity and operational interoperability. These new features mark a significant step toward the future of remote-controlled equipment, allowing operators to manage heavy machinery from an off-site location.

Komatsu’s drill automation technology is designed to reduce operational variability, leading to improvements in blasthole quality and fragmentation through the precise execution of drill patterns. Customer benefits include more consistent production output, reduced machine wear from less experienced operators and improved downstream process efficiencies.

Teleoperation of a D375A-8 mining dozer used technology that integrates Modular ProVision





▶ VIDEO

Komatsu's new Power Agnostic 930E haul truck is built on its modular power-agnostic platform, empowering the transition from diesel to battery or even hydrogen fuel cell power sources.

machine guidance with automatic blade control. This offers precise and reliable remote operation, even in hazardous environments. The advanced system eliminates the need for operators to endure high-risk conditions, including high-vibration environments.

Standard machines geared toward high-production mining were also on display, including:

- GD955-7 motor grader with a standard 18-foot moldboard that's designed to build and maintain haul roads for truck fleets of 100 tons and up
- ZT44 blasthole drill that offers high reliability and production with purpose-built structures, an 800-horsepower engine and a large capacity dual-setting compressor that adapts to varying rock hardness conditions
- D475A-8 surface mining dozer that features a more reliable mainframe with twice the design life over previous models to help reduce maintenance costs and machine downtime

Simplified workflows

Komatsu unveiled its new Modular ecosystem, which builds on its DISPATCH fleet management system. This cutting-edge solution includes a set of interconnected platforms and products designed to simplify existing workflows while

creating a bold vision for the future of mine site optimization and data utilization.

"One of our customers' biggest challenges is being able to get the full value out of the data sets they own," said Jason Fletcher, Senior Vice President of Mining Technology Solutions at Komatsu. "The Modular ecosystem is that entry point for a mine operation to have one place to gather operational information for every activity that's going on across their mine site. It's our path forward to help optimize mining operations at the machine, mine site and enterprise levels."

To expand its artificial intelligence (AI) capabilities and help customers optimize their mining operations, Komatsu announced its intent to acquire digital solutions provider Octodots Analytics during MINExpo.

"Our ecosystem is designed to empower customers to optimize decision-making at the machine, mine site and enterprise levels," said Fletcher. "Octodots' expertise and solutions map perfectly to what we've created, and we are excited about the opportunities to incorporate their products and capabilities into our offering."

With a focus on long-term partnerships, Komatsu remains a trusted name in mining and is dedicated to advancing the industry through products, services and technological innovation. ■

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Designed for high production

HD465-10 and HD605-10 haul trucks offer high payload capacity and improved fuel economy

If you're aiming to boost production and lower operating costs when moving materials, check out Komatsu's new HD465-10 and HD605-10 mechanical haul trucks. These trucks are designed to help increase productivity and improve fuel efficiency in quarry, mining and aggregate applications.

The HD465-10 is a 60-ton rigid frame machine with a high payload capacity and efficient hauling capabilities. The HD605-10 is a 70-ton rigid frame machine designed for reliability and durability. Both trucks offer a tight turning radius for easy navigation on narrow haul roads and ergonomically designed cabin features for operator comfort during long shifts. With increased horsepower and high-strength steel for reduced operating weight, the machines are built to provide excellent speed on grade.

Additional features include a MacPherson-type independent front suspension that allows the vehicle to smoothly traverse uneven road surfaces, the ability to regulate fuel efficiency for lighter work with "economy" and "economy light"

modes, and control downhill descent with the automatic retard speed control function.

Enhanced operator platform

New operator features include hill start assist, throttle lock, a retractable sun visor and waiting brake. Beneficial maintenance elements include plastic resin wheel chocks, maintenance-free batteries, brake performance checks, and ground level Komatsu Oil and Wear Analysis (KOWA) sampling ports. A full LED light package delivers exceptional operator visibility.

"Komatsu is committed to developing equipment that supports our customers' needs and helps them be most effective at the job site," said Madeline Pearce, Product Marketing Manager. "The fuel efficiency and productivity benefits these products provide, combined with a number of operator-focused features, demonstrate that commitment. We are excited to provide these new models of haul trucks to support our customers across North America." ■

**All comparisons are to the previous Komatsu model(s) unless otherwise stated.*



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Watch the video

Dynamic duo

Komatsu and Williams Racing reignite historic partnership with multiyear deal

Komatsu is back in the racing game after signing a multiyear deal in 2024 with Williams Racing to become the British team's principal partner from the start of the 2024 FIA Formula One World Championship (F1) season. Komatsu's logo and branding will feature prominently on the Williams Racing livery, as well as the team's overalls and kit, during the F1 season.

Komatsu was a key F1 partner of Williams Racing during the 1980s and 1990s, a period of abundant success for the team. The most notable achievements were in 1996 and 1997, when Komatsu supported Williams Racing to Constructors' and Drivers' Championships with Damon Hill and Jacques Villeneuve, respectively. With an eye to the future, both brands are excited to build on their shared history as they embark on a new era.

Komatsu's official designations with Williams Racing reflect the companies' shared focus on the long-term development of engineering, technology and new generations of talent: Official STEM and Early Careers Partner, Official Esports Partner, and Official Construction Machinery Partner. These areas will overlap and combine within the partnership, as Komatsu endeavors to engage and bring focus to the next generation of innovators through STEM events enriched by the Williams Racing esports platform.

"Komatsu and Williams Racing have shared values around innovation and the development

of our people," said Hiroyuki Ogawa, President and CEO of Komatsu Ltd. "Through our partnership, we look forward to creating value together, both on and off the track. Our partnership with Williams Racing is aligned with Komatsu's mission to create value through manufacturing and technology innovations to empower a sustainable future where people, businesses and our planet can thrive together."

Foundation for cross collaboration

One of the driving forces behind the partnership was the alignment of vision that the two brands share. The characteristics embedded in Komatsu's DNA and values, such as cutting-edge technology, outstanding quality and unwavering reliability, are all demonstrated by Williams Racing at the highest level of motorsports. This new partnership creates a foundation for cross collaboration between the companies into the future.

"Williams Racing is delighted to be rekindling our relationship with Komatsu," said James Vowles, Team Principal of Williams Racing. "We have enjoyed huge success together in the past and reuniting is a significant step in Williams Racing's long-term mission to return to the front of the grid. Both Williams Racing and Komatsu are committed to attracting and developing the best young talent in pursuit of our goals, and we look forward to working together again." ■

Komatsu's logo and branding will feature prominently on the Williams Racing livery, as well as the team's overalls and kit, during the Formula One season.



Effectively implement equipment

Customers learn how Komatsu products can help improve efficiencies, performance during Demo Days



Andrew Earing,
Director of Operator
and Technical
Training,
Komatsu



Eli McDonald,
Equipment Coordinator,
Reece Albert Inc. and
CSA Materials Inc.



Dan Earley,
Co-owner,
LEI

Learning about what equipment can do provides valuable insights into how it can help your operations. The ability to experience a machine for yourself from the operator's seat takes it to another level. Komatsu gave attendees opportunities to do both during its recent Demo Days event at its Cartersville Customer Center in Georgia.

More than 30 products were available for customers to see up close and operate, ranging from compact excavators to large construction, demolition, forestry and mining machines. Representatives from Komatsu and Komatsu affiliates Montabert, Lehnhoff and Hensley Industries provided insight on how to effectively implement the equipment and attachments into attendees' operations.

Komatsu Smart Construction and Smart Quarry representatives had display areas set up to provide information on solutions available for job site management such as Smart Construction Remote, Office, Field and Drone, as well as Smart Quarry Site and Smart Quarry Study. My Komatsu representatives provided information about Komatsu's central hub for fleet management.

"What we're hoping our customers take away is our dedication to them and their business," said Andrew Earing, Director of Operator and Technical Training at Komatsu's Cartersville Customer Center. "We have more than 100 Komatsu employees here, ranging from service engineers to product management, to answer questions and listen to customers in an effort to learn more about their needs and how Komatsu can help them improve their job site efficiencies."

Mix of equipment

Each day began with informative presentations about equipment, Smart Construction solutions and Smart Quarry solutions that Komatsu offers to increase productivity, efficiency and sustainability. Hands-on operation followed, letting customers operate a mix of standard and Intelligent Machine Control (IMC) equipment in working environments on the 38-acre site.

"It's neat to see all the yellow iron together, from motor graders to dozers to excavators, loaders and the intelligent machines," said Eli McDonald, Equipment Coordinator for Reece Albert Inc. and CSA Materials Inc. in San Angelo, Texas. "It's rare to see this many assets in one spot. I hope to take away the knowledge to go back and reassess our fleet and improve our operations."

IMC 2.0 dozers ranging from the D39EXi-24 to the D71PXi-24 and IMC 2.0 excavators ranging from the PC210LCi-11 to the PC490LCi-11 — all of which are equipped with factory-integrated GPS machine control — were highly popular during the event. Customers could also operate a PC138USLC-11 with 3D Machine Guidance, a Smart Construction solution that brings 3D to most conventional excavators and gives operators in the field and managers in the office access to 3D design and topography data that helps drive accuracy.

"Our big excavators are 90% Komatsu, including IMC machines, and we also have IMC dozers," said Dan Earley, Co-owner of LEI in Rapid City, S.D., noting that his company also uses Komatsu's Smart Construction Office and Dashboard. "It makes my operators way more efficient. There's so much data in there we can collect and see where production is on a daily basis. Now, with Office and Dashboard, we can see in real time what was done that day. Did we get enough moved? The information is invaluable. I appreciate coming down here and getting to run what we want. I hope to keep coming back. This is a great event."

Hybrid highlight

Komatsu also featured its HB365LC-3 hybrid excavator that delivers eco-conscious performance as energy is captured during swing and stored in the ultracapacitor. When swinging, all available hydraulic power is sent to the boom, arm and bucket for improved cycle time, reduced fuel consumption and increased production.

Komatsu product managers conduct informative walk-arounds of equipment to provide insights about each machine's features and benefits.





► VIDEO

Customers test out various machines during Demo Days at Komatsu's 38-acre demonstration site in Cartersville, Ga.

"It seemed like it was stronger on the swing and something that I think we would really like in our company," said Troy Henderson, Part Owner of KTA Construction in San Diego. "Being in California with the emissions that we have to deal with, the hybrid is a great choice to improve our fleet and reduce emissions."

Harry Olsen, Chief Operating Officer and Co-owner of Hugo Tree, a company that does land clearing, sitework and demolition in Hugo, Minn., commented, "With the hybrid specifically, I really like that the fuel consumption has dropped down. I think one of the things Komatsu's always done really well is made a very efficient, smooth machine, and I think the hybrid is the next evolution. We do a lot of stacking and material handling, so being able to have that very finite swing is nice. It's efficient."

Learning opportunity

Additionally, there were demonstrations of Komatsu's new PC490HRD-11 high-reach demolition excavator equipped with a K100 boom change system that allows for hands-free boom changes from the cab of the machine, as well as a soon-to-be-available Komatsu PC360LC-11 straight boom demolition machine. Attendees could also check out demonstrations of Komatsu's Smart Construction Drone and Komatsu's RF-5 reclaim feeder.

"One of the things we are proud of here is we let customers get in the equipment, touch the quality, feel the performance and get the full experience of our product, but Demo Days is about more than that," stated Earing. "It's an



(L-R) Waukesha-Pearce Industries LLC's Cory Webb explores Demo Days with Champion Site Prep's Justin Stiehl and Franklin Doss.



Komatsu's HB365LC-3 hybrid excavator delivers eco-conscious performance as energy is captured during swing and stored in the ultracapacitor.



Troy Henderson,
Part Owner,
KTA Construction



Harry Olsen,
COO/Co-owner,
Hugo Tree

opportunity for both us and our customers to learn more about each other. It's a great platform and venue to connect with our customers and truly understand their needs." ■

**The opinions expressed here are from the end user as quoted. The results described herein are those of these end users under certain conditions. Individual results may vary.*



Watch the video

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