

THE LARGEST CONSTRUCTION TRADE SHOW



**REGISTER
NOW!**

CONEXPOCONAGG.COM

Save 40%
on show admission
when you register by
January 17, 2020!

**WHAT'S NEXT FOR
YOUR SUCCESS**

**DON'T MISS THE
GAME CHANGERS!
TECH EXPERIENCE**

CONEXPOCONAGG.COM

MARCH 10-14, 2020
LAS VEGAS, USA

What if you could upgrade your machine for tomorrow's requirements?



Cameras
to assist
operators



Telematics to
provide machine
knowledge



I/O controls to
reduce complex
wire harnesses



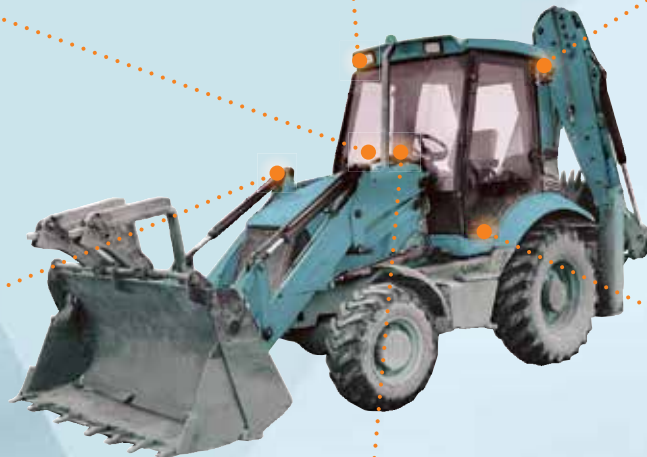
Sensors to provide
critical data of
machine functions



Hardened controllers
to provide machine
intelligence



HMI's to display
vehicle information



CONEXPO-CON/AGG/IFPE 2020
Las Vegas Convention Center
Las Vegas, Nevada
March 10-14, 2020

Visit **ifm efector**
Controls for Mobile Machines

Booth #S81107
ifm.com/us • 800-441-8246



JOIN US

**March 10–14, 2020
in Las Vegas!**

CONEXPO-CON/AGG is North America's largest construction trade show. **Held every three years** in Las Vegas, this massive event features the latest equipment advances and newest technology applications in every aspect of construction.

2,800

EXHIBITORS

2.6

MILLION SQ. FT.

150

**EDUCATION
SESSIONS**

50

**FOOTBALL FIELDS OF
INDOOR AND
OUTDOOR EXHIBITS**

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ADJUST FOR THE FUTURE

"Change is the only constant in life."

—HERACLITUS

Everyone knows change is a fact of life. That's especially true in our industry, which is moving rapidly into uncharted territory.

CONEXPO-CON/AGG is your opportunity to prepare for the changes coming our way. It's North America's largest construction trade show—planned by the industry, for the industry. We promise you will find the solutions and strategies to help your team and your business prosper in our ever-changing world.

We'll showcase incredible technologies and explore what's next in construction and infrastructure. More than 2,800 exhibitors will answer your questions and personally show you the latest product advances. Plus, you'll find targeted, industry-driven learning sessions and plenty of networking opportunities.

This will be our largest and most innovative show to date. See you there!

MARY ERHOLTZ

CONEXPO-CON/AGG
2020 Chair and Vice
President, Marketing,
Superior Industries

MAP
OF THE
SHOW
GROUNDS

page 16

CONEXPO-CON/AGG 2020

MUST SEE...

The widest selection of products and services in every sector—all in one place!

Earthmoving

More than a million square feet of space makes for a big stage to see all the earthmoving and material-handling equipment you need: backhoes, dozers, excavators, and more. You'll find Liebherr at Booth F5258.

LIEBHERR



Trucking/ Hauling

There are roughly 400,000 square feet of display space devoted to trucking and hauling, with around 500 exhibitors combined. Stop by and see Mack Trucks at Booth S61807.



MUST SEE... CONEXPO-CON/AGG 2020



AGGREGATES

You'll find 443 exhibitors and nearly 600,000 square feet of space devoted to aggregates processing. Everything from aggregate testing equipment to crushers, rippers, and scarifiers will be on hand. Visit McCloskey International Ltd at Booth S5405.



Networking

Close to 90 percent of respondents said they were extremely or very satisfied with networking opportunities at CONEXPO-CON/AGG.



Land Clearing

Nearly 250 exhibitors will show off all kinds of land-clearing equipment, ranging from stump cutters and grinders to chippers and mulchers to log loaders and splitters. There are a quarter-million square feet of display space to explore. Among the exhibitors: Fecon Inc. at Booth S5944.



Asphalt

With 361 exhibitors and 387,000 square feet of display space showcasing asphalt production and paving products, you'll have your pick among cold planers, rollers, bins, silos, and more. Check out Ammann America Inc., Booth S5254.



“Excellent opportunity to get a hands-on view of equipment and exposure to companies we might never have heard of.”

A PREVIOUS SHOW ATTENDEE

Lifting

See the latest in aerial lifts, all-terrain cranes, forklifts, hoists, and equipment from many other categories sharing 525,000 square feet of floor space. Altec Industries Inc. will be at Booth F7838.



CONCRETE

Looking for grinders, pulverizers, mixers, coatings or sealants? You'll see them among the 629 exhibits and 477,000 square feet of floor space devoted to concrete construction and manufacturing. Visit GOMACO Corporation at Booth C30384.



Underground Construction

With drills and bits, arch spreaders, boring machines, and pile drivers, underground construction equipment will be plentiful! More than 300 exhibitors will fill 287,000 square feet of display space, including Ditch Witch in Booth C31857.



**Ditch
Witch**



Lifting your dreams



- Safety, quality, innovation, and performance
- A long combined history of manufacturing and lifting experience
- Technological and engineering excellence
- Contributing to the success of our customers worldwide



TADANOAMERICA.COM



Visit us at CONEXPO
March 10-14, 2020 • F-8004



GAME PLAN

CONEXPO-CON/AGG is so big it's held only once every three years! Make the most of your time at the show, March 10-14, 2020, with these tips.



“

It is a do-not-miss event for us! We tell anyone in the construction business to put this on your calendar!”

NEISHA GRUBAUG NUWAY SERVICES INC.

BEFORE THE SHOW

Book hotel and register early

Book your hotel stay in our show room block to save money and get the best options. Plus, save 40 percent if you register for the show by January 17!



Use the planner

Prioritize what you want to see and do with our online show planner at directory.conexpoconagg.com. Sign up in advance for education sessions so you can plan the rest of your show around these key learning opportunities.



DURING THE SHOW

Connect to the action

Starting in January 2020, you can download an app to facilitate your time at the show. Search "CONEXPO-CON/AGG" in your app store.

Follow along

Stay connected on social media and get up-to-the-minute info on special events and giveaways.



Be prepared

Carry a backpack to stash materials you pick up, and bring multiple pairs of comfortable walking shoes. Note: Scooters are available for rental in the Bronze lot and Festival Grounds near the shuttle buses.



Allow enough time to:

- Explore as many demonstrations and education sessions as you want.
- Make connections with others.
- Take breaks feeling confident that you're still seeing what you need to see.
- Check out smaller tents and buildings to discover innovative products (see examples, page 23).

CONEXPO-CON/AGG BY THE NUMBERS

50%

OF ATTENDEES ARE FROM SMALL COMPANIES WITH 50 EMPLOYEES OR FEWER

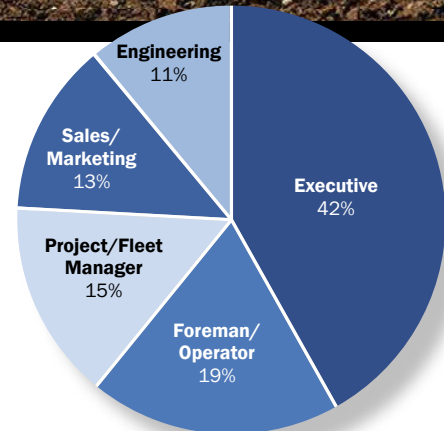
1 in 3

PURCHASED OR MADE A PURCHASING COMMITMENT AS A RESULT OF ATTENDING THE SHOW

96%

OF ATTENDEES RATED THE OVERALL VALUE AS GOOD TO EXCELLENT

ATTENDANCE BY JOB TITLE



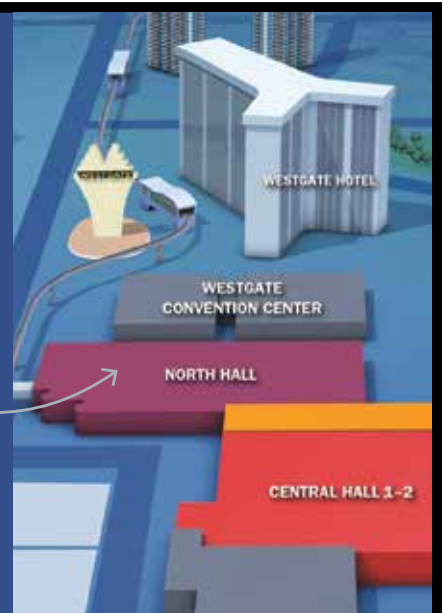
Don't go hungry

The Convention Center features two large restaurants as well as concession stands in the Festival Grounds and Convention Center areas. Plus, more than 25 restaurants are within three-tenths of a mile—easy walking distance.

INTERNATIONAL GUESTS:

CONEXPO-CON/AGG is truly an international event. At our last show, we welcomed 26,000 guests from 150 countries! To help you make the most of your stay in Las Vegas, we offer:

- International group hotel packages and assistance with U.S. VISA applications (details at: conexpoconagg.com/visit/international-visitors).
- Designated networking space in the International Trade Center (located in N250 of North Hall), sponsored by SmartEquip.
- Discounted registrations through our delegation program, for those who attend the show with others from the same country or region.
- On-site interpretation services.
- A chance to win a free flight to CONEXPO-CON/AGG (details at: conexpoconagg.com/vegas).



WORK FORCE

Build a winning team that's flexible enough to stay on top of a changing industry. Find answers to your workforce questions at CONEXPO-CON/AGG, March 10-14, 2020.

ADVANCE YOUR CAREER

Looking to boost your career? CONEXPO-CON/AGG is a great place to start! Our free e-book, *The Ultimate Construction Career Guide*, offers tips and expert advice from successful construction industry pros and valuable insight from HR personnel. Download a free copy at: conexpoconagg.com/careerguide



WORKFORCE TRENDS TO WATCH

With Baby Boomers retiring at a rapid rate, it's critical that companies find ways to recruit and retain workers. These key areas will play a major role going forward.

Recruiting

Topic: How to Win the War for Talent

Format: Presentation by Gregg Schoppman, principal at FMI Corporation

Overview: Companies today need to find ways to do more work with fewer workers, more initiatives with fewer leaders, and more problem solving with fewer problem solvers. Learn how FMI's latest Talent Survey applies to our industry.

Women

Topic: New Approach to Female Construction Leaders

Format: Panel Discussion

Overview: Does your company have an active gender equality program? It should, if attracting more women into your workforce is important to you.

Diversity

Topic: Why a Diverse and Inclusive Workforce Matters for Your Business

Format: Panel Discussion

Overview: Staffing today requires reaching a diverse workforce. What does successful inclusion look like, how can you get there, and why should you?

The Next Generation

Topic: Attracting and Training Your Workforce: Operating Engineers' Innovative Solutions

Format: Panel Discussion moderated by Laura Cataldo, senior manager at Baker Tilly

Overview: Competition for a skilled workforce is tighter than ever. See the innovative steps taken by Wisconsin Operating Engineers to recruit the next generation of workers.

Veterans

Topic: Constructing Opportunities with Veterans

Format: Presentation by David Coe, SVP of Strategic Programs, Orion Talent

Overview: There's a large talent pool among service members leaving active duty. See why veterans are a natural fit for construction roles such as engineers, plumbers, electricians, heavy equipment operators, and supervisors.

For information on these presentations and others, visit: conexpoconagg.com/education

SOCIAL MEDIA: HIRING HELPER

Attracting and hiring talent today requires rethinking the hiring process. Example: Turner Mining Group, a Bloomington, Indiana, company, has hired more than 200 employees since 2017—all through social media.

"We know this is where our potential workforce spends their time and we want to be engaged in that discussion," says Keaton Turner, founder and president of Turner Mining Group. "Meeting people where they are is critical if you want to be top of mind."

Hear more tips from Turner on his episode of "Contractor Conversations," a new series on CONEXPO-CON/AGG Radio. Listen to the show on your favorite podcast app.



REGISTER NOW!
CONEXPOCONAGG.COM

Ryan Goodfellow has attended CONEXPO-CON/AGG since he was a kid helping his dad's trucking company haul equipment to and from the show. He now attends shows as owner of Utah-based Rock Structures Utility and Excavation, and he has improved his business by taking advantage of the offerings at

CONEXPO-CON/AGG. While attending the 2017 show, Goodfellow found the latest in grade control technology. The system allows Goodfellow to complete a job using less manpower, so he's free to send help to other crews or complete smaller jobs throughout the day, which boosts operational efficiency and revenue.

Goodfellow also outfitted 50 percent of his machines with tiltrotators after looking into purchasing options at the show, and he's applied new software that improves time management and lowers bookkeeping costs.



There's such a wide variety of products at CONEXPO-CON/AGG, from software to equipment to product support, and it's all very accessible.



RYAN GOODFELLOW,
KAYSVILLE, UT

MEET RYAN

THE NEXT GENERATION

Get workers of tomorrow on your radar today.

Workers between the ages of 16 and 36 make up 40 percent of the American workforce, and that percentage will increase in the coming decade.

Connecting with the next generation of potential employees takes strategy.

Many in Generation Z are still in high school, and surveys show a majority plan to attend college. Encourage them to consider a career in the trades. Talk up salary potential and offer mentorships and paid apprenticeships.

"I think young people aren't getting into this industry largely because they don't even know it exists," says Aaron Witt, the 24-year-old owner of BuildWitt, a marketing firm helping construction companies expand their search.

One way Witt reaches his generation: social media. While Facebook might work for Millennials, Gen Z is more active on Instagram and Snapchat. "It's also about treating people right," Witt says, "investing in people, doubling down on training opportunities, defining career paths, and educating people on how to advance through an organization."

MEET MELISSA

She's a role model for women who want to take advantage of career opportunities in the industry.

There was a time when Melissa Whitney sat in meetings and was the only woman in the room. Whitney, who works closely with executives at HITT to implement digital solutions across multiple platforms, says times have changed. "Now I'm in a meeting and the majority of people there are women," Whitney says.

According to the National Association of Women in Construction, of the 939,000 women working in the industry in 2016, 31 percent worked in professional or management positions.

Whitney notes the industry offers many opportunities.

"What's amazing about construction is no matter what you want to do—whether it's business, marketing, technology, tradework, management—every opportunity is there."

Whitney's experience runs the gamut from business, accounting, operations, and project management to software development and information systems. She emphasizes that even if the first job isn't a fit, there are other options.

"Come and try a new job," Whitney says. "Even if you don't like it, you can try something else and still stay in the industry and further your career."

31%

OF WOMEN IN
CONSTRUCTION WORK
IN PROFESSIONAL
OR MANAGEMENT
POSITIONS.



SANY

QUALITY CHANGES THE WORLD

Visit us at Outdoor Booth:

F-7826

QUALITY CHANGES THE WORLD



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Website



SANY America
Website



Come see our new equipment solutions in
Central Hall 3 #30336



INFRASTRUCTURE



AGGREGATE & MINING



ENERGY

Astec Industries, Inc. manufactures more than 240 products encompassing equipment for asphalt road building, aggregate processing, oil, gas and water well drilling and wood processing. With a culture of innovation and a heritage of putting the customer first, the companies of Astec Industries have excelled at producing transformative products that give our customers the means to be more productive and profitable. Come see what we have in store for the future.



astecindustries.com



WHAT'S NEW

Stay current. See what will impact your company—and your career—in the years ahead by attending CONEXPO-CON/AGG.



Q&A WITH

Dana Wuesthoff,
show director,
CONEXPO-CON/AGG

The 2020 show is scheduled March 10–14. What's the most exciting thing about it?

A. Our award-winning Tech Experience is back and now in two locations. We want visitors to consider how innovations will impact their operations, so we'll have immersive demonstrations where cutting-edge ideas and game-changing technologies are presented in a fun, insightful way.

What else will guests see?

A. More exhibits—with the addition of a new outdoor lot at the Festival Grounds for more display space. To make it convenient, anyone with a show badge can ride the free shuttle.

Anything different from past shows?

A. It'll be bigger!

And it will be better. Guests already love the show, and we're always trying to improve it. More innovations, more hands-on demos. We also pay attention to visitor comfort. At the 2020 show, for example, expanded amenities and services and a new, streamlined layout will make it easier for attendees to

comparison shop for products and services.

What can't be missed?

A. Really, the whole show is a can't-miss. Plan to spend at least two days at the show—or longer if possible. There's a lot to see at the show. And a lot to see in Las Vegas too.

FEATURED EXHIBITORS

With 2,800 exhibitors, CONEXPO-CON/AGG 2020 has everything you're looking for—and more. Be sure to check out these booths.



Setting a new standard in land clearing

FAE USA is excited to debut groundbreaking technology in their land-clearing line. FAE believes Sonic will set a new industry standard with an intelligent, self-regulating, anti-stalling system that increases rotor torque, reduces recovery time, and improves productivity up to 30 percent. Booth C22221.



Software that empowers

PlanGrid, an Autodesk company, builds simple software that construction teams love to use. As part of Autodesk Construction Solutions, PlanGrid's mobile-first app empowers general contractors, subs, owners, and architects to provide fast, accurate information to the field. PlanGrid is used on more than 1.5 million projects in more than 100 countries. Booth S62421.



Engineered for a variety of applications

Trail King Industries Inc. is the leading North American manufacturer of a complete line of trailers. With load capacities from 12,000 to 1 million pounds, Trail King trailers are engineered to serve a wide variety of applications for markets as diverse as construction, agriculture, transportation, waste and recycling, and specialized hauling. Booth F7310.



Backhoe series upgrades

CASE N Series backhoes include new industry-exclusive PowerBoost, a new PowerDrive transmission upgrade with Direct Drive, and a factory-installed thumb. Also: a new declutch trigger, a new roller/rocker switch for better attachment control, and an all-new F-N-R thumb switch for simplified operation. Booth N11825.



See a wide range of machinery and compare quality and features.



JOHN DEERE

Equipment for all facets of earthmoving

John Deere offers more than 120 models used in all facets of earthmoving through a network of 1,400+ dealer locations worldwide. In addition, since 1988, John Deere has had a long-standing partnership with Hitachi Construction Machinery to manufacture, market, and support construction and mining excavators in the Americas. Booth N12525.



Topcon Positioning Systems designs, manufactures, and distributes precision measurement and workflow solutions for infrastructure professionals. At the intersection of infrastructure and technology, Topcon provides the know-how to be at the forefront of innovation to maximize efficiency. Booth N12701.

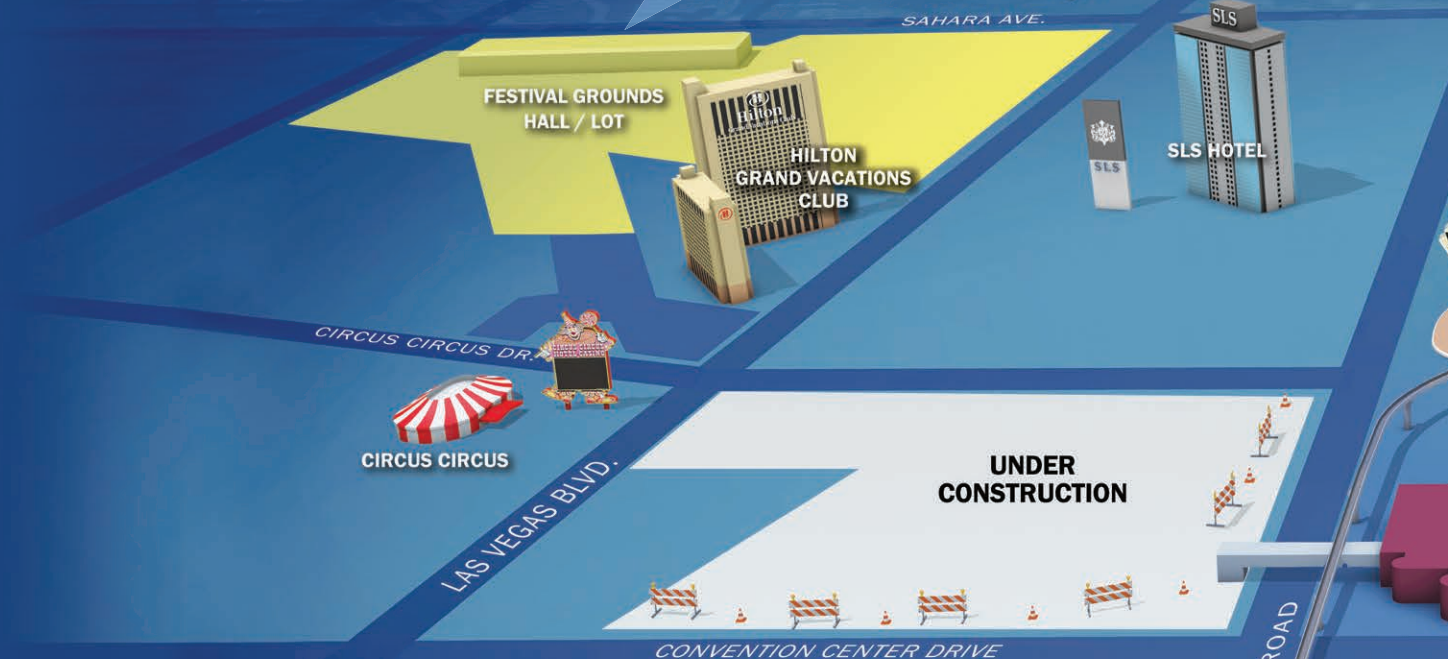
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EXPANDED DISPLAY AREA

New in 2020: More outdoor display space for construction equipment. Free shuttle service is available to and from Festival Grounds.



OVERVIEW MAP

South Hall 3-4 and Bronze Hall

- Engines, Components & Electronics

Bronze Lot

- Concrete Construction & Manufacturing
- Engines, Components & Electronics
- Infrastructure Support
- Safety & Traffic
- Trucking
- Business Solutions and Jobsite Applications & Solutions

Silver Lots 1-3

- Aggregates Processing
- Asphalt Production & Paving
- Land Clearing

North Hall, Central Hall 1-2, and Festival Hall

- Earthmoving & Material Handling
- Hauling
- Land Clearing
- Lifting (Aerial & Cranes)

Central Hall 3-5

- Aggregates Processing
- Asphalt Production & Paving
- Underground Construction

Festival Grounds and Blue Lot

- Earthmoving & Material Handling
- Hauling
- Lifting (Aerial & Cranes)
- Underground Construction

South Hall 1-2

- Concrete Construction & Manufacturing
- Infrastructure Support
- Safety & Traffic
- Trucking
- Business Solutions and Jobsite Applications & Solutions

Tech Experience

- Festival Grounds
- Silver Lot 3

PRINCIPAL SPONSORS



NRMCA

National Ready Mixed Concrete Association (NRMCA), founded in 1930, is the leading concrete industry advocate. Find NRMCA at Booth SL60033, South Hall Lobby.

NSSGA

National Stone, Sand & Gravel Association

(NSSGA), formed in 2001 with the merger of two large aggregate associations, is the leading voice for the aggregates industry. Visit NSSGA at Booth GL20803, Grand Lobby.

SHOW OWNER AND PRODUCER

AEM

For 125 years, the Association

of Equipment Manufacturers (AEM) has been a powerful voice for the off-road equipment manufacturing industry. Stop by our booth at GL20401, Grand Lobby, and **register to win an ATV** as part of the grassroots *I Make America* campaign. You can also test your skills against the Cornhole World Champions.

CO-LOCATED IFPE

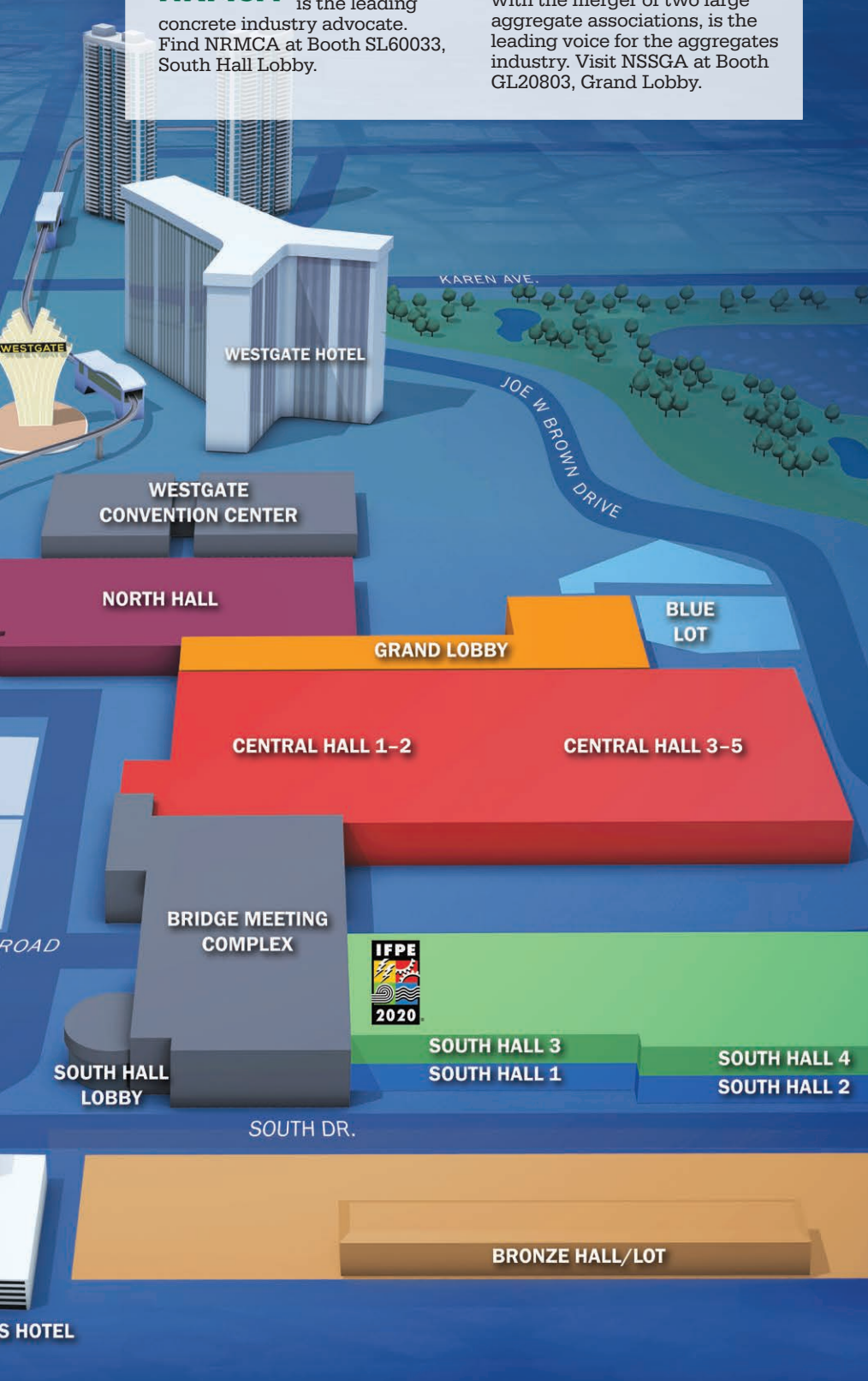


The International Fluid Power Exposition is the leading international exposition and education resource dedicated to the integration of fluid power with other technologies for power transmission and motion control applications. IFPE is co-located with CONEXPO-CON/AGG. New this year: attendees can mix and match education sessions between the two.

SHOW SPONSOR



Founded in 1918, the Associated General Contractors of America (AGC) is one of the leading associations for the construction industry. See AGC at Booth GL11279, Grand Lobby.



TECH EXPERIENCE

See and touch your way through the many innovations shaping the future of construction at the CONEXPO-CON/AGG Tech Experience March 10-14, 2020, in Las Vegas.

A hand is shown holding a smartphone. The background of the phone's screen is a construction site with several cranes and a building under construction. The scene is bathed in a warm, golden light, suggesting a sunrise or sunset. The overall image has a futuristic, digital feel, with a network of nodes and lines overlaid on the background.

112,000

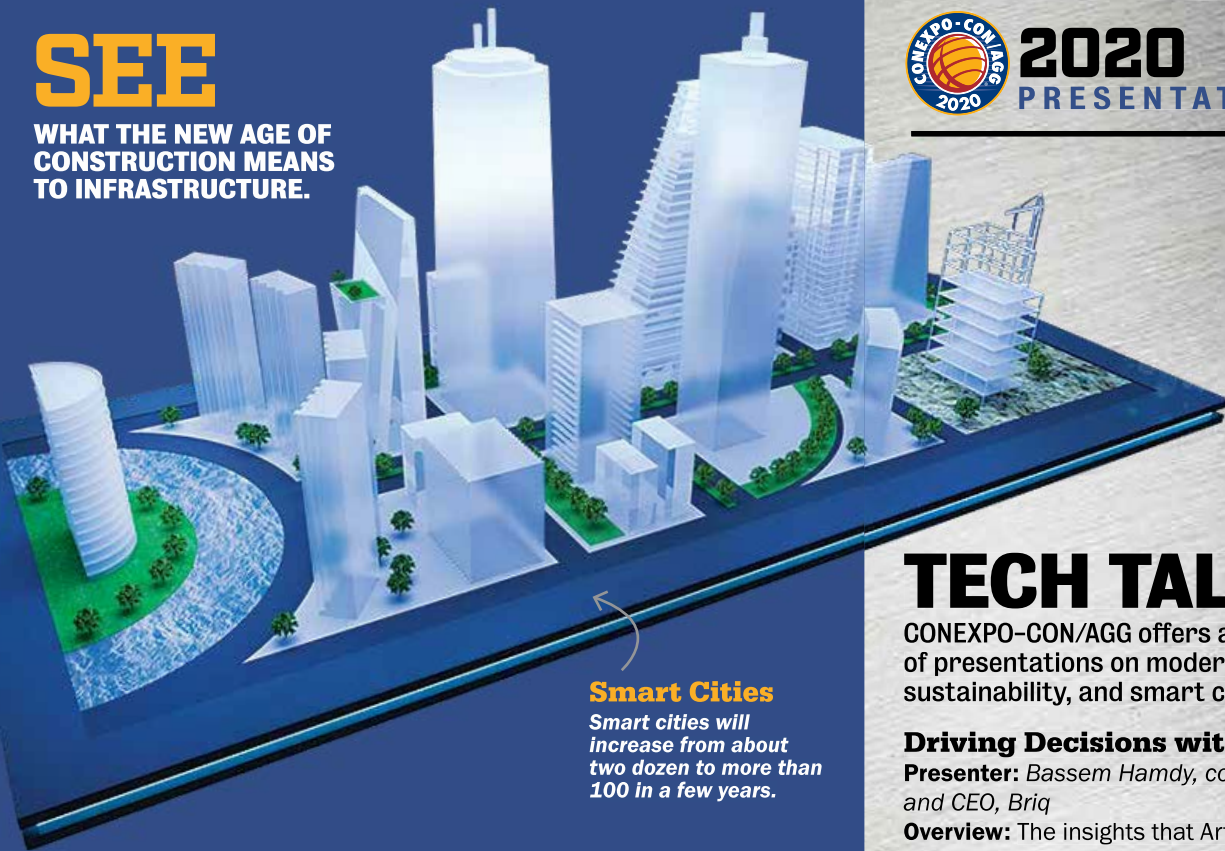
**VISITS WERE MADE TO OUR
TECH EXPERIENCE IN 2017.**

SEE

WHAT THE NEW AGE OF CONSTRUCTION MEANS TO INFRASTRUCTURE.



2020 PRESENTATIONS



Smart Cities

Smart cities will increase from about two dozen to more than 100 in a few years.

LEARN WHAT'S CHANGING THE FACE OF THE CONSTRUCTION INDUSTRY IN THESE 3 KEY AREAS



MODERN MOBILITY

- **What it is:** The transformation of current systems for moving products and people to meet tomorrow's demands.
- **What it involves:** Transportation that is personal, shared, intelligent, and/or autonomous.
- **Why it matters:** Existing infrastructure cannot sustain the sheer number of vehicles expected with growth in the future. Construction professionals will play an integral role in rebuilding and rethinking transportation.



SUSTAINABILITY

- **What it is:** Designing buildings, vehicles, and cities with social, economic, and environmental impact in mind.
- **What it involves:** Renewable energy, sustainable or recycled construction materials, and a resilient framework that withstands disturbance.
- **Why it matters:** Housing, workspace, infrastructure, and utilities all have serious social and environmental consequences. Companies embracing sustainability will earn more contracts.



SMART CITIES

- **What it is:** Urban areas that incorporate electronic data collection sensors to efficiently manage assets and resources.
- **What it involves:** Collecting and processing data to manage power, transportation, water supply, waste management, law enforcement, schools, hospitals, and other services.
- **Why it matters:** Contractors need to be aware of new technology advances in this area because it will affect how work is done at construction sites in the future.

TECH TALKS

CONEXPO-CON/AGG offers a solid lineup of presentations on modern mobility, sustainability, and smart cities.

Driving Decisions with AI

Presenter: Bassem Hamdy, co-founder and CEO, Briq

Overview: The insights that Artificial Intelligence can now gather for your organization are unparalleled. See how to use construction data to identify the right projects, people, and problems. Also, learn how analyzing the right information leads to savings across the entire project cycle.

The Design and Print of Future Structures

Presenter: Platt Boyd, founder and CEO, Branch Technologies

Overview: See a house created in hours with the world's largest freeform 3D printer. Realized with generative design and created with lasting materials, this house embodies a new direction in construction.

Rebuilding Better for Resiliency

Presenter: Desiree Matel-Anderson, CEO, Global Disaster Innovation Group, LLC

Overview: Learn how smart cities are building for better resiliency from natural disasters. Case studies of technology, design, and the human factor demonstrate how cities will withstand the forces of nature in the future.

The Ray—Creating the Highway of the Future

Presenter: Allie Kelly, executive director, The Ray Project

Overview: Glimpse a greener future for infrastructure. Stretching across 18 miles of Georgia's I-85, The Ray is a proving ground for new innovations, including a solar-powered EV charging station, solar-paved road, rubberized asphalt, and roll-over tire safety station.

CONEXPO-CON/AGG's comprehensive education program offers cutting-edge information to help contractors, business owners, construction material producers, and end users stay ahead of the curve.

EXPLORE YOUR FUTURE



Discover how drones are changing our industry. Sign up for one of two special education sessions:

- **Drones and Construction: A Smarter Future**
- **Drones on Construction Sites for All Contractors**

150

**EDUCATION
SESSIONS
AVAILABLE**



10 TRACKS TO PICK FROM

Focus on topics that will make the biggest impact on your company—and your career. Here is a sample of what's available. For the full list, visit: conexpoconagg.com/education

1. AGGREGATES

Learn about current practices and future trends in quarry production and plant design.

Sessions include:

- *Maximizing Conveyor Performance*
- *Equipment Operator Best Practices*
- *Autonomous Haulage*

2. ASPHALT

Explore techniques and innovations in asphalt paving, recycling, materials, and plant management.

Sessions include:

- *Best Practices for Residential and Commercial Paving*
- *Laydown Best Practices*
- *Permeable Pavements for Storm Water Management*

3. ATTRACT, ENGAGE & RETAIN TALENT

Develop and advance your career skills and build your future workforce.

Sessions include:

- *I'm a Manager! Now What? 11 Traits of Effective Managers*
- *Building Great Teams*
- *Virtual Reality, Augmented Reality, and the Future of Work: Are YOU Ready for the New Realities?*

4. BUSINESS BEST PRACTICES

Improve business strategies and discover which tools are needed to manage and strengthen your company.

Sessions include:

- *How to Evaluate Cost-Reducing Technologies*
- *Estimating: How to Win More Bids and Increase Profits*
- *Position Your Business for Any Economic Market*

5. CONCRETE

Discover the latest advances in concrete materials, masonry, production, and plant management.

Sessions include:

- *Performance Engineered Concrete Mixtures for Pavements*
- *Pathways to Resilience: Concrete Solutions to Sustainable Communities*
- *Concrete Mix Design: What to Look For*

6. CRANES, RIGGING & AERIAL LIFTS

See what's new in innovations, regulations, and safety in crane, rigging, and aerial lift operations.

Sessions include:

- *Best Practices for Inspecting and Connecting Your Rigging*
- *Crane Inspection—How Do You Do That?*
- *Why Do Crane Accidents Happen?*

7. EARTHMOVING & SITE DEVELOPMENT

Take a closer look at current business and equipment practices for large-equipment contractors.

Sessions include:

- *Online Auctions vs. Traditional Auctions: How to Buy and Sell*
- *GPS on the Jobsite: What You Need to Know*
- *The Future of Asset Management & Liquidation: New Strategies for Maximizing Returns*

8. EQUIPMENT MANAGEMENT & MAINTENANCE

Catch up on the latest in fleet asset management and maintenance trends.

Sessions include:

- *Making Data Useful: A Telematics End User's Journey*
- *How to Manage Rising Equipment & Rental Costs*
- *Preventative Maintenance*

9. SAFETY

Keep up to date on practices, training, and regulations designed to keep crews and plants safe.

Sessions include:

- *Fatigue in the Workplace*
- *Opioids in Construction*
- *Developing a Driver Safety Culture with Real ROI*

10. TECHNOLOGY SOLUTIONS

Get in the know about industry innovations and future growth opportunities in the technology field.

Sessions include:

- *Technology Trends: Lessons Learned*
- *How Autonomous Construction Machines Will Revolutionize the Construction Industry*
- *Understanding the ROI of Investing in Innovation*

“The return on investment for attending is impressive because of how much you can see and learn in just a few days.”

KERRY TREST, KAT EXCAVATION & CONSTRUCTION, INC.

Dillsboro Quarry Improves Crusher Productivity Using Breaker Technology's Rockbreaker System



At its Dillsboro Quarry in western North Carolina, Harrison Construction mines and crushes granite aggregate for roadways, asphalt, concrete, erosion-control projects and building sites. The transformation process begins as material passes through a jaw crusher before being separated along a belt system. Frequently, oversize boulders, which are too large to pass directly through the jaw, are broken proactively with a BTI MRH20 boom system, paired with a BX40 hydraulic rockbreaker.

"We use the BX40 rockbreaker for secondary breakage at our jaw," explained Quarry Superintendent Jeff Mathis. "We can catch and break any oversize boulders before they go into the jaw. The BX40 decreases the need for jaw repairs and that improves our uptime and profitability."

The rockbreaker is attached to a permanently installed MRH20 rockbreaker boom system that provides 20 feet of reach to help Harrison Construction scrape and push approximately 400,000 tons of material through the breaker and jaw each

year. The system delivers 4,000 foot-pounds of impact energy and is run by an operator stationed in an enclosed booth onsite. The firm installed the upgraded rockbreaking system in 2018 and realized immediate benefits.

"The BTI rockbreaker works twice as fast as our old machine," noted Mathis. "It takes less than a minute to split a boulder and send it through the jaw. It's very reliable maintenance-wise as well. We sit back and let it work."

Site Foreman Kevin Rathbone added, "The BTI breaker works more efficiently and requires less attention, allowing me to focus on other areas of my job. Our operator doesn't need to hammer one boulder for 30 minutes, either. The joystick controls make it easy to maneuver and push material through the jaw."

Easily accessible service points for the machine have also been a significant upgrade for Harrison Construction.

"The centralized greasing system is



"The BX40 decreases the need for jaw repairs and that improves our uptime and profitability."

one of the most important features," stated Rathbone. "The machine has several points that move frequently and having easy access to those locations makes servicing the machine more efficient. It's well-designed and, in general, the system has required minimal service."

The MRH20 boom system and BX40 hydraulic rockbreaker provide a complete package to help Harrison Construction stay productive even when the machine isn't breaking rocks.

"Sometimes, smaller rocks don't fall into the jaw correctly," said Mathis. "The hammer can adjust and rearrange those rocks. It's absolutely instrumental to everything we do."

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Electrified Driveline

ZF Friedrichshafen AG is helping pave the way for equipment electrification and digitally connected construction sites. A leader in technology, ZF's electric drivelines enable quiet operation at urban job sites while sticking to their goal of creating emission-free compact machinery. Booth S85113, South Hall 4.



Simplified Tracking

EquipmentShare's Track program keeps remote tabs on fleets with real-time diagnostics and maintenance tracking. Managers can use geofencing technology to limit where equipment goes and set access codes on machines to prevent theft or unauthorized employees from operating equipment. This lowers the risk for potentially costly insurance claims or recovering stolen equipment. Booth B8601, Bronze Lot.

“What’s most impressive for me is how much you can see at CONEXPO-CON/AGG. It has all the latest equipment, products, services, and technologies.”

JIM PEASE, SEVENSON ENVIRONMENTAL, NIAGARA FALLS, NY

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ENGINEAIRE CLEAN AIR SYSTEMS

Fresh air can be hard to come by on jobsites filled with swirling dirt and dust, even when operating from a cab. The Engineaire Cabaire system provides ultra-clean, double-filtered air and positive pressurization so workers confined in enclosures can breathe freely. When equipped with HEPA filters, Cabaire systems are 99.97 percent efficient at .3 microns, exceeding new OSHA silica regulations that require cabin filters be 95 percent efficient in the .3-10.0 micron range. Booth S84153, South Hall 4.



THE ROAD AHEAD

Cargill Anova Rejuvenators are engineered plant-based additives that help restore recycled asphalt pavement (RAP), allowing new roadway mixes of up to 100 percent RAP—around 65 to 75 percent greater RAP content than today’s average. This cuts back on waste and burden of disposal as well as cost of new mixes. Cargill Anova Rejuvenators also enhance workability and low-temperature cracking resistance of the asphalt mix. Booth B93019, Bronze Hall.

Statistics and estimates supplied by individual companies and have not been independently verified.

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With SteelWrist Tiltrotators, operators maneuver buckets through multiple planes of movement, achieving previously unprecedented dig angles without repositioning the entire machine. Time savings boost job efficiency by 25 to 35 percent—even higher if the job requires a tight dig. Booth F2868, Festival Grounds.



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Simplified Time Management

ExakTime cuts waste with workforce tracking software that keeps tabs on worker and crew locations, job time, and progress, as well as scheduling and payroll. Customers report slashing payroll processing time by one-third to one-half, while ExakTime case studies estimate customer savings of \$50,000 to \$200,000 per year. Booth S63419, South Hall 2.

LIGHT THE WAY

Driving in construction zones is hazardous, especially in the dark. Pi-Lit sequential lighting operates on a 2.4 GHz radio communication system that works as a mesh network. When any light turns on, others immediately follow in sequence—no configuration required. During road closures, lights can be set to guide drivers to restricted lanes, reducing risks of accident. Booth S65531, South Hall 2.



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SAFETY

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Source: bigrentz.com/blog/construction-safety-statistics



2020 PRESENTATIONS

STUDY UP ON SAFETY

Among the 10 education sessions on safety at CONEXPO-CON/AGG 2020:

Federal Agencies and Safety Regulations: A Peek Over the Horizon

Presenter: Panel discussion with officials from several federal regulatory agencies

Overview: Gain insight on safety issues. A panel of federal officials from various regulatory agencies share the issues they believe will affect construction safety and health between now and the 2023 CONEXPO-CON/AGG show.

Fatigue in the Workplace

Presenter: Emily Whitcomb, senior program manager, National Safety Council

Overview: Fatigue in the workplace decreases productivity and increases risks of injury. Reduce risks and accompanying financial burdens by implementing best practices to identify causes and manage workplace fatigue.

Safety Training Ninja®

Presenter: Regina McMichael, president, The Learning Factory Inc.

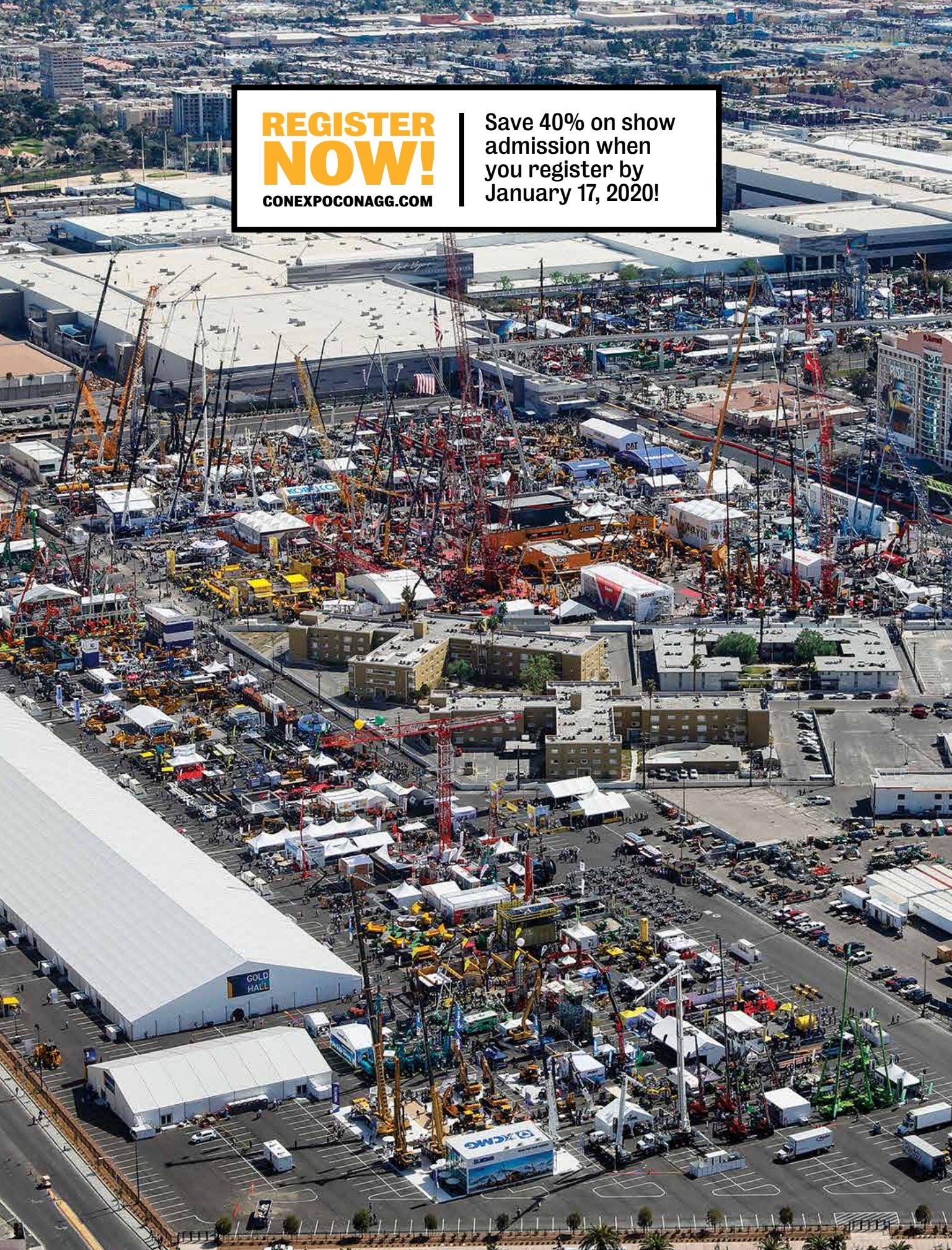
Overview: Tired of compliance-based lectures that beg attention? Well, stop working so hard and work smarter! Learn how to make training easier and more interesting. Develop learning objectives that meet your company's verifiable training needs.

For information on these presentations and others, visit: conexpoconagg.com/education

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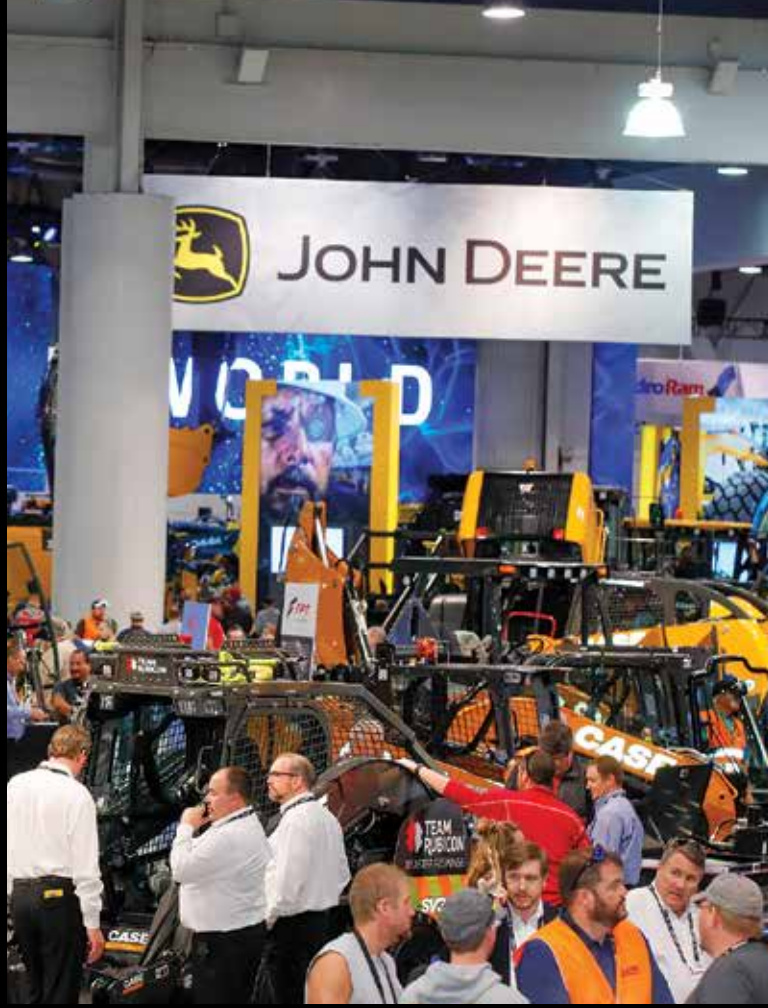
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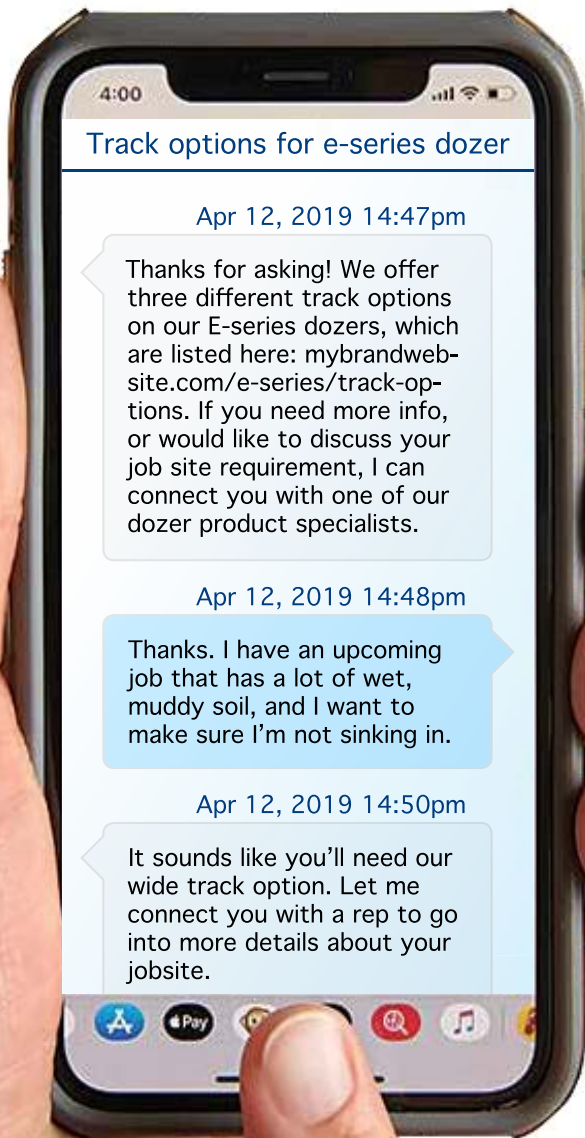
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Track options for e-series dozer

Apr 12, 2019 14:47pm

Thanks for asking! We offer three different track options on our E-series dozers, which are listed here: mybrandwebsite.com/e-series/track-options. If you need more info, or would like to discuss your job site requirement, I can connect you with one of our dozer product specialists.

Apr 12, 2019 14:48pm

Thanks. I have an upcoming job that has a lot of wet, muddy soil, and I want to make sure I'm not sinking in.

Apr 12, 2019 14:50pm

It sounds like you'll need our wide track option. Let me connect you with a rep to go into more details about your jobsite.

A LEGACY IN TECHNOLOGY—HITACHI WHEEL LOADERS DEBUT AT CONEXPO 2020

HITACHI

Hitachi Construction Machinery Co., Ltd. (Hitachi Construction Machinery) was established in 1970, when Hitachi, Ltd. spun off its Construction Machinery Division. Currently, there are 84 companies that comprise the Hitachi Construction Machinery Group providing Reliable solutions for customers in the heavy construction equipment industry. Hitachi Construction Machinery continues to grow as a strong, global, competitive enterprise.



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Fast forward to 2010. A joint venture with Hitachi Construction Machinery and Kawasaki Heavy Industries was entered into to further develop the global scope of the wheel loader product line. This relationship combined the huge technological and manufacturing resources of Kawasaki Heavy Industries and Hitachi Construction Machinery Group. This effort has resulted in a very productive, reliable, and cost-effective product.



In 2016 Hitachi Construction Machinery bought 100% of KCM Corporation's stock transitioning to KCMA Corporation. In 2018 Hitachi Construction Machinery took the reins transitioning KCMA Corporation to Hitachi Construction Machinery Loaders America Inc., furthering their commitment to the North American market by introducing the Hitachi brand wheel loader line, offering outstanding parts availability, an unmatched factory component exchange program, customer and dealer training programs, and a wide range of services and programs.



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