

Industry Focus

CarbonBuilt Teams Up with Meta to Advance Production of Ultra-Low Carbon Concrete

CarbonBuilt® collaborated with Meta to accelerate adoption of its technology and reduce emissions in the concrete industry. This agreement will enable CarbonBuilt to upgrade additional plants and scale production of its low-carbon Reversa® binder more quickly. Deployed at existing concrete plants, CarbonBuilt's technology offers a pathway to meaningful decarbonization of the concrete industry. The company is now focused on rapid expansion, which this collaboration with Meta will accelerate. Since 2020, Meta has maintained net zero emissions in its global operations—reducing emissions by 94% from a 2017 baseline—and has publicly committed to achieving net-zero emissions across its value chain in 2030.



CarbonBuilt's technology offers a pathway to decarbonization of the concrete industry

Wavelogix Receives Grant to Scale Up Production of REBEL Concrete Strength Sensors

Wavelogix received a 999,910 USD Small Business Innovation Research (SBIR) Phase II grant from the National Science Foundation's Directorate for Technology, Innovation and Partnerships (TIP). The grant covers a 2-year project scheduled to end August 31, 2026. ACI member Luna Lu, Wavelogix's founder and the Reilly Professor in the Lyles School of Civil Engineering at Purdue University, West Lafayette, IN, USA, invented the REBEL Concrete Strength Sensing System. The technology enables faster, data-driven decisions through real-time concrete strength monitoring. This TIP-funded project will develop a complete solution for scaling up production. A quality control procedure and systematic hardware production will be established, and key parameters for a reproducible production line will be determined. Concurrently, Wavelogix is developing a scalable

cloud back end capable of serving tens of thousands of data loggers while ensuring data security and low latency.



Luna Lu, the founder of Wavelogix REBEL Concrete Strength Sensors

Blackwell 3D Announces Expansion Efforts in Dubai South Area

Blackwell 3D Construction Corp. announced its focus on Dubai South as a location for new projects and partnerships. As part of the company's expansion efforts, Blackwell is actively pursuing opportunities in this fast-growing region, leveraging Dubai South's strategic position and the United Arab Emirates (UAE) government's commitment to advanced construction technologies. The Dubai 3-D Printing Strategy has set a target for 25% of new buildings in Dubai to be constructed using three-dimensional (3-D) printing by 2030. This initiative, driven by the Ministry of Cabinet Affairs and Future, is designed to enhance sustainability, reduce construction time, and lower labor costs. Dubai is positioning itself as a global hub for 3-D printing across multiple sectors, including construction, healthcare, and consumer goods. Blackwell 3D's decision to focus on Dubai South underscores the company's belief in the area's potential as a center for technological innovation and sustainable growth.

Carbon Limit Announces Heat-Combating Concrete Additive

Carbon Limit announced the debut of CoolCrete™, a heat-reducing product addition to its line of sustainable concrete additives. Carbon Limit has partnered with NCP Industries and Bison Innovative Products as licensing affiliates to launch a new series of architectural design products incorporating CoolCrete technology. CoolCrete is a functional supplementary cementitious material (SCM) that reduces the overall carbon footprint of concrete by up to 40% through replacing a portion of conventional cement that is emissions intensive. The easy-to-use and highly versatile

additive boosts concrete's ability to reflect sunlight, reducing overall heat absorption. It also enhances concrete's thermal emittance, allowing it to release absorbed heat more efficiently. CoolCrete-based products will be available through NCP and Bison.



CoolCrete is a heat-reducing concrete additive that will be available in products from NCP and Bison

DICA Products Receive Four Industry Awards

DICA received four industry awards recognizing the company's innovative products and commitment to safety and efficiency. These accolades highlight DICA's dedication to delivering high-quality, engineered solutions that address critical challenges in construction and lifting operations. LevelRight Outrigger Pads has been honored with two awards:

- 2024 LLEAP Awards, Gold Medal, Features and Components category: Selected by an independent panel of industry experts and featured in *Lift & Access* magazine, this award highlights LevelRight's design and functionality in enhancing equipment stability on uneven terrain; and
- Contractors' Top 50 New Products Award: Recognized by *Equipment Today* magazine, LevelRight has been named one of the top new products in the construction industry, reflecting its impact on improving productivity, efficiency, safety, and comfort.

MaxiTrack Interlocking Mats was also recognized with two awards:

- 2024 LLEAP Awards, Bronze Medal, Features and Components category: Recognized for its innovative approach to ground protection, MaxiTrack impressed *Lift & Access's* independent panel of industry experts with its lightweight yet durable design; and

- *Rental Magazine's* 2024 Editor's Choice Award: Highlights products that solve rental customers problems. This award celebrates MaxiTrack's versatility, strength, and ease of use.

J. J. Keller & Associates Collaborates with Juno Jones Safety Boots to Provide Workplace Safety and Size Inclusivity

J. J. Keller & Associates, Inc., announced a strategic collaboration with Juno Jones Safety Boots. This alliance aims to elevate workplace safety and comfort for workers across various industries. Juno Jones makes award-winning safety footwear by working people, for working people. Juno Jones founders Emily and Ryan Soloby, with roots in the trucking and footwear industries, created the company after they noticed a gap in the safety footwear market around issues of inclusivity. The brand launched with women's footwear made especially for female foot measurements and style, and the brand quickly grew to include men's safety footwear built for all day comfort. J. J. Keller, a family-owned company, has served the safety market since 1953, with a purpose of protecting people and the businesses they run. Today, the company serves more than 500,000 companies across North America. In addition to the new Juno Jones boots, J. J. Keller offers a wide selection of quality, comfortable personal protective equipment under its proprietary SAFEGEAR® line of personal protective equipment (PPE). SAFEGEAR offerings include high-visibility apparel and accessories, safety gloves, hard hats and helmets, safety glasses and goggles, and hearing protection, in both traditional and women's sizing.



Juno Jones provides quality safety work boots in both women's and men's sizes