

Industry Focus

Carbon Upcycling Named to 2024 Global Cleantech 100

Carbon Upcycling Technologies Inc. (Carbon Upcycling) has been named to Cleantech Group's 2024 Global Cleantech 100. The report selected companies from more than 25,000 nominations to showcase innovators with outstanding technologies, original business models, and bold plans for reducing emissions drastically ahead of critical global climate targets. Carbon Upcycling's platform technology produces supplementary cementitious materials (SCMs) by upcycling waste materials from other industries like steel and mining and enhancing them with CO₂ sequestered from the cement kiln. Its enhanced SCMs can displace carbon-intensive clinker in cement, reducing the life-cycle carbon intensity of cement by up to 60% while improving the strength and durability of concrete by up to 40%. The company's commercial-scale technology is currently operating in western Canada, with two more deployments in commission at cement plants in eastern Canada and the United Kingdom.



Carbon Upcycling was named a 2024 Global Cleantech 100 company

EROAD and BCMI Announce Partnership

EROAD and the Bulk Construction Materials Initiative (BCMI) announced a partnership to enable industry-relevant customer-centric solutions. Initiatives include the integration of EROAD's Drive application with BCMI's dispatch system. EROAD's and BCMI's teaming approach toward exploring opportunities for integrated and complementary solutions offers a range of potential benefits for drivers, back-office teams, and fleet managers. Advantages include greater visibility of the status and location of assets, loads, and materials for users across the supply chain, supporting opportunities for better communication, streamlined workflows, and overall fleet management. EROAD's Drive app can be installed on Android-based tablets in the cabs of concrete trucks that use CoreHub, EROAD's telematic gateway device. Job ticketing details are sent from BCMI's dispatch platform to drivers' tablets running EROAD's app. Subsequently, auto-status updates and log-in details are transmitted between BCMI and EROAD for logging and analysis. Text messages can be sent to and received from the

Drive app, displaying on drivers' in-cab tablets and visible from BCMI's dispatch system.

Gilbane Building Company Recognized at 2023 National DBIA Conference

Gilbane Building Company received multiple awards at the Design-Build Institute of America (DBIA) 2023 Design-Build Conference & Expo. Gilbane Building Company was the design-builder for the Washington Metropolitan Area Transit Authority's (WMATA) new headquarters in Washington, DC, USA, which was selected for the 2023 Chair's Award, and the owner's representative for the California Department of General Services 1021 O Street State Office Building, Sacramento, CA, USA, which was selected for the 2023 Project of the Year award. The WMATA DC Headquarters was also recognized in the following DBIA award categories: Meaningful Diversity, Equity, & Inclusion (DEI) Practices; Excellence in Rehabilitation, Renovation and Restoration; Merit Award – Rehabilitation, Renovation and Restoration; and Best in Design for Architecture. In addition to the 2023 Project of the Year Award, the 1021 O Street State Office Building was also awarded the Excellence in Federal/State/County/Municipal Facilities, Merit Award – Federal/State/County/Municipal Facilities, and Best in Process – Progressive Design-Build.

Rust-Oleum Announces New Facility

Rust-Oleum announced its expansion on the U.S. West Coast with a new fulfillment center in Sacramento, CA. The new site positions Rust-Oleum to fulfill orders with increased efficiency and reduced shipping times. This location will also serve a territory spanning the states of Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, New Mexico, Nevada, Oregon, Utah, Washington, and Wyoming. In-demand products to be shipped from this center include Rust-Oleum's new High Performance Industrial ROC coatings line of products, all backed by a rust-proof guarantee; the company's premium low-VOC, low-HAP coatings brand Sierra Performance; and its newest versatile innovation called the MULE (modified urethane latex epoxy). By stocking popular items and optimizing inventory, the company hopes to improve the overall customer experience by getting end users what they need, when they need it.

CarbiCrete Products Receive Third-Party Validation for Meeting ASTM C90 Requirements

CarbiCrete announced that it has received third-party validation that the products generated through its technology meet ASTM C90 performance requirements for concrete

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masonry units (CMUs). The testing was conducted by CTLGroup, using ASTM C90-23, “Standard Specification for Loadbearing Concrete Masonry Units.” The standards for quality performance contain minimum requirements for items such as compressive strength, permissible variations in dimensions, and finish and appearance criteria. CarbiCrete’s process replaces cement in the concrete mixture with a steel-making by-product, avoiding cement-related emissions. Additionally, CarbiCrete’s concrete products are cured with carbon dioxide, which is mineralized and permanently removed from the atmosphere. The company also announced that Enviro-access, a Canadian leader in the quantification of environmental impacts, validated that CarbiCrete’s process is carbon-negative, eliminating more than 100% of the global warming potential (GWP) of concrete blocks, compared to those made using a conventional, cement-based process.

CarbiCrete’s technology is currently being used by Canadian hardscape manufacturer Patio Drummond to produce carbon-negative blocks in Drummondville, QC, Canada.



CarbiCrete’s technology meets or exceeds ASTM C90-23 performance requirements for CMUs

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