

# Industry Focus

## Milwaukee Tool Opens Manufacturing Facility in Grenada County

Milwaukee Tool has expanded its presence in the United States with the opening of a manufacturing facility located in Grenada County, MS, USA. The new location employs more than 800 people, marks Milwaukee's eighth location in Mississippi, and is the company's largest manufacturing facility in the United States to date. Milwaukee Tool invested more than 60 million USD into the more than 500,000 ft<sup>2</sup> (46,452 m<sup>2</sup>) facility. Equipped with state-of-the-art technology and manufacturing capabilities, the Grenada location will initially produce Milwaukee's line of accessories, including SAWZALL® Blades, and will expand into additional product lines over time. In Mississippi, Milwaukee Tool has invested more than 250 million USD over the last 5 years and employs more than 4000 people.



Milwaukee's manufacturing facility in Grenada County, MS, USA

## C-Crete Places Granite-Based Concrete

C-Crete Technologies has placed its granite-based concrete completely devoid of portland cement and associated carbon dioxide (CO<sub>2</sub>) emissions at 270 Park Avenue, Manhattan, New York, NY, USA. The site of JPMorganChase's new global headquarters was designed by architectural firm Foster + Partners and engineered by Severud Associates Consulting Engineers. Binders made from granite, zeolite, and basalt emit no CO<sub>2</sub> during manufacturing. C-Crete's granite-based concrete develops a compressive strength exceeding 5000 psi (34.5 MPa). It demonstrates pumpability, workability, setting time, and surface finish akin to conventional concrete, while meeting ASTM International standards for mechanical and durability properties.

## Lafarge and Geocycle Canada Open Low-Carbon Fuel Plant

Lafarge Canada and Geocycle Canada, along with the Department of Natural Resources Canada (NRCan) Office of

Energy Research and Development (OERD), announced the opening of Geocycle's first low-carbon fuel plant in Canada—a more than 10 million CAD facility located at the Lafarge Canada Brookfield Cement Plant in Brookfield, NS, Canada. The project received 3.53 million CAD from the Canadian federal government's Energy Innovation Program (EIP). When in full production, the new plant will divert approximately 14,000 tonnes (15,432 tons) of waste away from landfills annually to be pre-processed into low-carbon fuel, minimizing the Brookfield Cement Plant's reliance on traditional fossil fuels. The low-carbon fuel plant will take waste products from local sources, turning them into low-carbon fuels to make cement and ultimately the concrete used in construction projects in the area and beyond.

## The fischer Group Acquires BauBot GmbH

The fischer Group of Companies has fully acquired the Viennese start-up BauBot GmbH. BauBot has been majority-owned by the fischer Group of Companies since 2022. Founded in 2017 with a focus on on-site three-dimensional (3-D) printing for paving stone structures, the company soon established itself as a provider of automation solutions in the construction industry. In their strategic partnership, fischer and BauBot GmbH jointly developed the BauBot construction robot, which was launched in 2022. In combination with a digital construction plan, the robot enables fully automated drilling, cleaning, and marking of drill holes in walls, floors, and ceilings, as well as the future installation of fischer fastening solutions. It increases work efficiency, relieves workers of physically strenuous tasks, reduces the risk of injury to employees, lowers error rates, saves costs, and accelerates construction progress. With the complete acquisition of BauBot GmbH, fischer can now scale up further with the BauBot and increasingly tap into new and existing international markets.



fischer BauBot construction robot working in a tunnel

## Carbon Upcycling, MnDOT, and the NRRRA Complete Phase of Joint Study of Low-Carbon Cement

Carbon Upcycling Technologies, Inc., has successfully completed the construction phase of a multi-year study on the use of low-carbon cement in highways. The study, managed by Sutter Engineering LLC and sponsored by the Minnesota Department of Transportation (MnDOT) and the National Road Research Alliance (NRRRA), tested 16 unique concrete mixtures in real-world conditions on the MnROAD Low Carbon Test Site on an active Minnesota, USA, highway. The study is aimed at finding materials that can significantly lower the carbon footprint of concrete paving without compromising durability. The mixture design portion of the study showed that Carbon Upcycling's carbon dioxide (CO<sub>2</sub>)-enhanced concrete mixture achieved a 12.3% reduction in cement content, developed 28% higher strength at 28 days, and had 32% higher resistivity at 56 days relative to the study's control mixture.

## CarbiCrete and Climate Earth Release EPD for Concrete Masonry Units

CarbiCrete and Climate Earth have released an environmental product declaration (EPD) for CarbiCrete's cement-free concrete masonry units (CMUs). CarbiCrete's patented technology replaces portland cement with steel slag, thus avoiding cement-related emissions. Further, the technology sequesters carbon dioxide (CO<sub>2</sub>) through mineralization in a CO<sub>2</sub> curing chamber. Verified by ASTM International under Concrete Masonry and Segmental Concrete Paving Product EPD Requirements, the EPD reveals that CarbiCrete CMUs have a global warming potential (GWP) of 11.7 kg CO<sub>2</sub>e per m<sup>3</sup> (20 lb per yd<sup>3</sup>) of concrete—17 times lower than the

industry average of over 200 kg CO<sub>2</sub>e per m<sup>3</sup> (337 lb per yd<sup>3</sup>). The plant and product-specific EPD helps architects, engineers, and builders achieve their

sustainability goals by providing them with precise, transparent data detailing the environmental benefits of CarbiCrete's cement-free CMUs.

## SEEKING NOMINATIONS

The ACI Foundation is seeking your nominations for anyone who has made outstanding contributions to the concrete industry.

There are currently three awards open for nominations:

- Robert E. Philleo Award
- Arthur J. Boase Award
- Jean-Claude Roumain Innovation in Concrete Award

NOMINATE  
TODAY

Deadline is  
July 1, 2025

[www.concrete.org/acifoundationawards](http://www.concrete.org/acifoundationawards)

 **aci** Foundation

Building the Future