BCMI and binni Partner to Streamline Concrete Operations

BCMI Corporation and binni announced an integration partnership. This collaboration connects binni Concrete with BCMI's Material Now platform, improving how concrete batch and delivery ticket information is shared from ready mixed suppliers to contractors and consolidated with key data from project stakeholders. This integration promotes efficiency, streamlined workflows, and real-time access to concrete data, enabling contractors to make more informed decisions and boost productivity. Through the integration, when a ready mixed producer using BCMI's system sends a load of concrete, batch and delivery details can automatically be transmitted to binni. The ticket information is then linked to the appropriate placement and correlated with other project information within binni, such as the building information modeling (BIM) model, maturity sensor readings, and field and lab quality control (QC) results.

BCMI and binni announced a new integration

Paebbl Starts Operating Demo Plant, Achieves Continuous CO_2 Mineralization

Paebbl started its demonstration plant, achieving continuous carbon dioxide (CO_2) mineralization at demo scale. In operation since late March 2025, the project was delivered 18 months from start to finish. The project was executed with engineering companies SPIE and Vicoma, with financial support from the Netherlands Enterprise Agency (RVO). The demo plant uses olivine to permanently lock away CO_2, transforming it into supplementary cementitious materials (SCMs). Traditionally, these technologies have been limited to batch processes or laboratory scale due to complexities in maintaining high temperatures, pressures, and chemical reactions over extended periods. By showcasing continuous operation at a demo-scale facility, Paebbl proves that its technology is technically sound and scalable to meet the demands of global construction supply chains. Paebbl's approach turns CO_2 into a building material rather than letting it go to waste, enabling a class of materials that can be produced close to end markets with lower energy inputs than conventional cement. This paradigm helps the industry cope with fluctuating raw material availability, costs, and regulatory pressures.

Vector Corrosion Expands Product Line with Addition of ElectroTechCP™ Technologies

Vector Corrosion Technologies (VCT) acquired the ElectroTechCP™ product line from Structural Technologies, LLC. The move supports VCT's vision of worldwide growth by adding corrosion technologies to its product line, along with manufacturing capacity and technical resources from the ElectroTechCP team. ElectroTechCP products include a range of cathodic protection systems to complement the VCT product line. Structural Technologies and its parent company, Structural Group, Inc., have nearly 50 years of experience developing and implementing concrete solutions. Structural Technologies will continue to offer corrosion protection solutions as a distributor of the now-expanded VCT product line.

ElectroTechCP impressed current cathodic protection (ICCP) system manufacturing

Winners of 2025 Concrete Innovation Awards

Build With Strength, an initiative of the National Ready Mixed Concrete Association (NRMCA), announced the recipients of the 2025 Concrete Innovation Awards. This annual program highlights outstanding achievements in the design and construction of concrete structures where NRMCA member companies played a significant role in supplying products or services. Winners represent projects that leverage innovative concrete technologies to enhance sustainability, reduce embodied carbon, and improve performance. In this judging cycle, 11 winners were selected:

- **AWS Data Center (New Carlisle, IN, USA)**, for its use of low-carbon concrete in the construction of a large-scale data center campus, showcasing sustainable development in the tech industry. Ozinga provided the concrete for the project;

- **Central City Parallel Tunnel (Minneapolis, MN, USA)**, for its use of eco-friendly concrete technologies in a large-scale water management infrastructure project, demonstrating exceptional performance and environmental responsibility. Cemstone designed and supplied highly technical concrete for this project;
- **Intuit Dome (Inglewood, CA, USA)**, for its use of concrete applications to support the construction of a sports arena with a focus on minimizing carbon emissions while maximizing structural resilience. CalPortland provided the concrete for the project;
- **Lane Construction I-40/I-77 Concrete Paving Project (Iredell County, NC, USA)**, was celebrated as the first project in North Carolina to use Type IL cement, reflecting a major step toward reducing the carbon footprint of infrastructure projects. U.S. Roanoke Cement Company (RCC) was the cement supplier;
- **Lower Carbon Content Concrete Pavements – MnROAD (Albertville, MN)**, for its research and implementation of lower-carbon concrete pavements, showcasing scalable solutions for sustainable road construction. The following NRMCA members contributed to project success: Holcim; Ozinga; Continental Cement; Cemstone; the Aggregate and Ready Mix Association of Minnesota; American Engineering Testing, Inc.; and Braun Intertec;
- **New York State Department of Transportation Southern Tier Bridge Replacement and Safety Project (Whitney Point, NY, USA)**, for specifying low-carbon concrete and incorporating glass supplementary cementitious materials (SCMs) to achieve sustainability goals for a 21.2 million USD bridge replacement project. Barney & Dickenson Inc. led this project;
- **One Milestone (Boston, MA, USA)**, for its use of advanced concrete technologies to reduce embodied carbon in a major mixed-use development while enhancing long-term durability. Boston Sand & Gravel supplied the concrete on this project;
- **SFO Terminal 3 West (San Francisco, CA)**, for its project at the San Francisco International Airport, which achieved significant reductions in embodied carbon while meeting rigorous sustainability standards. Martin Marietta Materials supplied the aggregates, and Bauman Redi-Mix Concrete produced the concrete;
- **TSX Broadway and Palace Theater Redevelopment (New York, NY)**, for its use of low-carbon concrete in the revitalization of a Times Square venue, balancing historic preservation with modern sustainability practices. Heidelberg Materials provided products for the project;
- **TVRM's 'Proving Grounds' for Low-Carbon Concrete (Norfolk, VA, USA)**, for its advancements in testing and developing artificial intelligence (AI)-generated low-carbon concrete, showcasing the potential for transformative change in the construction industry. Titan Virginia Ready-Mix LLC, provided the concrete for the test paving site and Roanoke Cement Company provided the cement; and
- **The City of Salt Lake and Utah Transportation Authority: Electric Bus Charging Station (Salt Lake City, UT, USA)**, for its use of concrete in the development of an electric bus charging station, contributing to the region's clean transportation goals. Roman Cement, LLC, used patented technology to redesign a standard concrete mixture for performance and sustainability.

Alcrete Acquires Florida Concrete Products

Alcrete LLC acquired Florida Concrete Products LLC in Florida City, FL, USA. This move expands Alcrete into the prestressed bridge segment throughout the state of Florida. Florida Concrete Products, which began operations in the 1960s, is a key supplier to the Florida Department of Transportation for bridge projects throughout the state. The acquisition includes Florida Concrete Products' production facilities and equipment. Alcrete will retain the workforce, which will allow the company to increase its production capabilities and competitiveness within the prestressed concrete bridge market.

Acquiring Florida Concrete Products expands Alcrete into the prestressed bridge segment in Florida, USA