

## PCA and NRMCA Recognize Titan America's Achievements

Titan America's companies received awards from the Portland Cement Association (PCA) and the National Ready Mixed Concrete Association (NRMCA). Titan America's Pennsuco facility in Medley, FL, USA, received the award for the Innovative Technologies category in the PCA 2023 Energy and Environment Awards annual competition for the use of artificial intelligence and machine learning in a variety of production applications in its plant. In addition, PCA's Energy Efficiency Award recognized Titan America's Roanoke Cement Company's (RCC) accomplishments. RCC achieved a 12% reduction in the plant's use of electrical energy. NRMCA also named Scott Holcombe of S&W Ready Mix Concrete Co. LLC, a subsidiary of Titan America, as a recipient of its Annual Safety Award. Holcombe is the Plant Manager for both the Murrells Inlet and Georgetown Plants, SC, USA. NRMCA's Annual Safety Award acknowledges the contribution that safe work practices give to the growth and success of individuals and companies. Lastly, two NRMCA Producer Excellence in Quality Awards were given to S&W Ready Mix Concrete and Titan Florida LLC. This award recognizes concrete producers that use best-in-class quality systems and initiatives as established by NRMCA's Research, Engineering and Standards Committee.

## The City of Greeley, CO, Partners with Alquist 3D

The city of Greeley, CO, USA, is partnering with Alquist 3D, a company that specializes in three-dimensional (3-D) concrete printing and using 3-D printing technology to create cost-effective and environmentally responsible building

solutions. Alquist 3D is receiving over 4 million USD in support and incentives from Greeley and the state to transform the region into a center of 3-D home and infrastructure printing. The public-private partnership between the city, state, and Alquist also involves close collaboration with Aims Community College to train students and create an economic ecosystem with an emphasis on innovation and workforce development. Alquist is moving its headquarters from Iowa City, IA, USA, to Greeley, CO. The company will begin robotically creating 3-D structures for a variety of clients. Alquist's first project will be 3-D printing infrastructure for the City of Greeley, specifically curb systems with integrated drainage. Three-dimensional printing will make this infrastructure modular, enabling the city to replace worn sections with 3-D-printed components. Alquist is also working closely with Greeley-Weld Habitat for Humanity. The company has a home-printing contract with the nonprofit organization to produce at least 100 of the nearly 500 structures planned for the Hope Springs project in Greeley.

## Gilbane Building Company Receives AGC Award

Gilbane Building Company received the 2023 Associated General Contractors (AGC) Large Contractor Diversity & Inclusion Excellence Award. Gilbane was recognized for its continued commitment to advancing diversity and fostering a culture of inclusion within its workforce, supply chain, and the communities it serves. Gilbane focuses on programs and outreach to enhance opportunities for participation from diverse businesses on all its projects, including its Gilbane Rising Contractor program, which is designed to help grow certified trade contractors. Gilbane has created dedicated roles focused on both economic and internal inclusion and diversity. To help drive economic inclusion, Gilbane develops procurement strategies designed to maximize participation, engages diverse subcontractor participation through outreach, encourages meaningful contracting opportunities, initiates mentor relationships, creates strategies to help firms build capacity, and examines ways to reduce barriers to success. The company focuses on internal inclusion and diversity efforts with leadership support from an internal Inclusion & Diversity Council, through training and education related to unconscious bias and other topics, employee resource groups, a multi-pronged strategic plan, and other initiatives.

## LeapThought's FulcrumHQ Achieves bSI Certification

LeapThought Corp. announced that its platform, FulcrumHQ, achieved IFC4 Import Certification, granted by buildingSMART International (bSI). Achievement of the bSI



Colorado Governor Jared Polis (center) with Alquist 3D Founder and Chairman Zachary Mannheimer (left) and CEO Patrick Callahan

certification acknowledges FulcrumHQ's capabilities in supporting seamless interoperability of data across platforms. By using building information modeling (BIM) data, it ensures compatibility with international standards, eliminates potential barriers among project stakeholders, and promotes collaboration in construction management. BIM-powered digital workflows are indispensable to the construction sector. They encourage collaboration, minimize inaccuracies, and propel data-driven decision-making. FulcrumHQ, with BIM at its core, enhances these project benefits by enabling increased collaboration, strategic decision-making, and cost reduction. In addition to the bSI certification, FulcrumHQ also facilitates projects to meet ISO 19650, an international standard for information management using BIM throughout an asset's life cycle.

## Autodesk Named 2023 Global Company of the Year by Frost & Sullivan

Frost & Sullivan recognized Autodesk with the 2023 Global Company of the Year Award. Autodesk's BIM and digital twin solutions are part of its Design and Make Platform, which includes integrated cloud-powered software that connects teams, data, and workflows across entire project life cycles to deliver better and more sustainable project outcomes. Autodesk Forma unifies workflows across the teams that design, build, and operate the built environment. Forma enables more collaborative and concurrent ways of working for the architecture, engineering, construction, and operations industries. Autodesk's solutions allow customers to design, plan, and manufacture any asset by visualizing, simulating, and analyzing real-world performance early in the design process. With its strong overall performance, Autodesk earned Frost & Sullivan's 2023 Global Company of the Year Award in the BIM and digital twin industry. Each year, Frost

& Sullivan presents a Company of the Year award to the organization that demonstrates excellence in terms of growth strategy and implementation in its field, a high degree of innovation with products and technologies, and the resulting leadership in terms of customer value and market penetration.

## ClimeCo Announces Development of Low-Carbon Cement Protocol

ClimeCo announced the development of the Climate Action Reserve's (CAR) U.S. Low-Carbon Cement Protocol. The protocol establishes a pathway to generate voluntary carbon credits from the production of novel and underused alternative cementitious materials (ACMs) and supplementary cementitious materials (SCMs). Funds generated by these credits will be used to incentivize the production and scaled use of innovative, less carbon-intensive materials to meet growing demand, reduce emissions, and help enable exponential positive change. For more than 18 months, ClimeCo worked closely with numerous stakeholders, including Eco Material Technologies and the PCA, to create, seek comments, and refine this effort. The protocol creates a tested and valid pathway for companies to generate voluntary carbon credits and direct much-needed funds to the production of additional cementitious materials that can create the scale necessary to displace carbon-intensive cement manufacturing. ClimeCo and its partners worked to ensure that the protocol follows strict rules on additionality, permanence, ownership, and quantification in generating and awarding offsets. To earn credits, manufacturers must produce usable materials that are widely recognized as beyond business-as-usual and surpass regulatory requirements. Eligible components include natural pozzolans, calcined clay, rice husk ash, and harvested and beneficiated coal ash.

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