

Euclid Chemical Launches Cement Additives Lab in Cleveland

The Euclid Chemical Company announced the opening of a new cement additives laboratory at its Cleveland, OH, USA campus. This facility will be used for new product development and material testing to optimize the use of additives in the cement manufacturing process. The laboratory, along with a full staff of technicians, will provide comprehensive analysis that will support in-house research and detailed customer support. The equipment and testing capabilities of this laboratory will include X-ray diffraction and X-ray fluorescence, petrographic analysis, isothermal calorimetry, particle size analysis, moisture content analysis, an air jet sieve for particle size distribution, mechanical crushers for sample preparation, and a ball mill for test grinds and the optimization of cement additive formula selection.



Euclid Chemical's cement additives laboratory

IGGA Announces the Concrete Pavement Longevity Award

The International Grooving & Grinding Association (IGGA) announced the Pavement Longevity Award as a new addition to its annual association awards. IGGA also announced the 2023 award winner: Trunk Highway 210 (TH 210) in Minnesota. IGGA added the new award in recognition of the fact that long-lived pavements play an important role in sustainability. The IGGA Pavement Longevity Award recognizes highway sections and owners each year for their exemplary efforts toward successfully building and maintaining roads for a service life that exceeds 50 years. The award showcases the importance of effective initial design and construction as well as the importance of pavement preservation and maintenance. Roadways and owners involved in the business of concrete pavement restoration or preservation at any level worldwide are eligible

to receive the award, and each roadway nominated will be judged based on its age and performance. The 2023 award was presented at the Concrete Paving Association of Minnesota (CPAM) Annual Concrete Paving Workshop, held March 9-10 in Waite Park, MN, USA.

California Cement Industry Marks Near-Term Progress on Carbon Neutrality Goals

The California Nevada Cement Association (CNCA) released an update to its carbon neutrality plan that outlines goals to lower emissions throughout California cement manufacturing. The California cement industry has committed to reach net carbon neutrality by 2045. The plan details various ways the industry can reduce its carbon footprint and explains how barriers to progress can be removed. The plan also sets the stage for collaboration between the state's cement industry and key stakeholders, detailing the role partners can play to help this industry reduce greenhouse gas (GHG) emissions. The revised plan updates the outlook on challenges and opportunities associated with achieving net carbon neutrality, and it expands decarbonization levers on topics such as blended cements, on-site electricity generation, alternative fuels and carbon capture, utilization, and storage (CCUS). With this plan, CNCA and its members have made progress regarding legislation in the state; leadership in using low-carbon materials; investments in producing low-carbon materials; and collaboration with regulators, legislators, and manufacturers.

TYLin Acquires Texas-based Architectural Engineers Collaborative

TYLin acquired Architectural Engineers Collaborative (AEC), a privately held structural engineering firm based in Austin, TX, USA. AEC specializes in architectural structures, engineering innovation, building information modeling (BIM), and sustainability. AEC projects include a wide range of building structures for commercial, hospitality, government, education, and technology clients. The firm also provides structural engineering for transportation facilities, with a portfolio that includes airport terminals, transit stations, and pedestrian bridges. As part of TYLin Group, AEC will be within the combined organization's Buildings Sector in the Americas. AEC will maintain its current project types and operation, doing business as Architectural Engineers Collaborative, a TYLin Company.

CalPortland Earns EPA's ENERGY STAR Certification

CalPortland's Redding, CA, USA, and Rillito, AZ, USA, plants have earned the U.S. Environmental Protection

Industry Focus

Agency's (EPA's) ENERGY STAR certification, which signifies that the two industrial plants meet strict energy efficiency performance levels set by the EPA. CalPortland improved its energy performance by managing energy strategically across the entire organization and by making cost-effective improvements to its plants. To earn the ENERGY STAR, CalPortland replaced cooling tubes to optimize planetary cooler efficiency; installed flow meters, differential pressure (DP) control instruments, and pulse valves for compressed air optimization; upgraded lighting throughout the facilities; held Treasure Hunts to identify and implement energy savings opportunities; installed a new overland belt with a low rolling resistance compound; and added a reverse air fan variable frequency drive (VFD) on the main bag house.

Terra CO2 Receives Validation of OPUS Supplementary Cementitious Material Performance

Terra CO2 announced the successful use of its OPUS supplementary cementitious material (SCM) during a demonstration placement in Houston, TX, USA. Terra's material was used as part of the construction of the Porsche Sugar Land dealership, owned by the indiGO Auto Group. Material testing conducted by Alpha Testing confirmed that Terra's product performs on par with traditional SCMs in terms of durability, strength, and functionality and is field-ready for construction applications. Terra's proprietary

process uses widely available silicate-based raw materials. To reach scale, Terra CO2 has developed an advanced processing facility that produces precisely engineered OPUS SCMs. Every ton of cement replaced by Terra's OPUS SCM results in 70% lower CO₂ emissions and 90% lower NOx emissions without impacting mixture designs, batching, delivery, and placement of concrete.

Command Alkon Transforms Support Functions to Deliver Efficient and Customer-Centric Operations

Command Alkon announced a new Customer Operations organization comprised of Customer Success, Implementation Services, Support Services, Advisory, and Customer Education teams. These teams will focus on improving customer outcomes, delivering exceptional experiences, and simplifying operations. The Customer Success team will play a key role in each stage of the customer's journey, with an initial focus on overall customer health. The Implementation Services team will focus on the planning, design, and implementation of products to target business outcomes. The Support Services team will continue to focus on enhancing service levels and agility in resolving customer cases and problem management. The Customer Outcomes Advisory team will focus on excellence in adoption and ongoing optimization to ensure customers are getting the most value out of their Command Alkon solutions. Lastly, the Customer Education team will be dedicated to customer learning.

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