

KCI Acquires Armeni Consulting Services, LLC

KCI Technologies, Inc., a multidisciplinary engineering firm with offices throughout the United States, announced the acquisition of Armeni Consulting Services, LLC, a Georgia, USA-based consulting firm providing a full range of estimating, scheduling, and constructability analysis for all types of bridges and heavy-civil infrastructure projects.

Founded in 2007, Armeni Consulting Services provides construction coordination services for project owners, designers, and contractors throughout the country. With an extensive portfolio of more than 400 projects, the team has supported the successful completion of small and large, complex bridges using traditional and innovative methods, including marine, segmental, arch, and cable-stayed construction. Armeni Consulting Services has offered private and public clients their expertise, ranging from preliminary estimates to constructability reviews and project coordination for virtually all delivery methods, including design/build, construction manager/general contractor, and public-private partnerships.



Bayne Smith, Senior Vice President, KCI Technologies, Inc., and John Armeni, Owner, Armeni Consulting Services, LLC

CarbonCast High-Performance Insulated Wall Panels Meet Code Requirements

CarbonCast High Performance Insulated Wall Panels, manufactured by AltusGroup precasters in North America, have had its evaluation report (ESR-2953) renewed by ICC Evaluation Service, LLC (ICC-ES), reaffirming that the CarbonCast wall panels meet code requirements.

CarbonCast High Performance Insulated Wall Panels with C-GRID shear truss connectors and rigid foam insulation were

tested in accordance with ICC-ES acceptance criteria AC422. The accepted report, ESR-2953, was published first by ICC-ES in February 2014 and has been renewed yearly.

Modjeski and Masters Selected as Design Consultant for the Replacement of the New Bedford-Fairhaven Bridge

Modjeski and Masters, a supplier of the design, inspection, and rehabilitation of all bridge types, including long-span and movable structures, has been selected by the Massachusetts Department of Transportation (MassDOT) as the primary design consultant for the New Bedford-Fairhaven Bridge replacement project.

As part of the MassDOT team, Modjeski and Masters will provide assistance in addressing functional deficiencies, advancing the bridge replacement to the 25% design threshold. Deficiencies addressed will include long opening times that delay vehicles, pedestrians, and bicyclists; minimal under-bridge clearance; narrow navigational channels; center pier location that increases the potential for vessel impact; and narrow sidewalks.

Aerial Infrared Scanning Takes Off in North Dakota

Over the past few years, Infrasense has been developing a methodology for network-level aerial infrared scanning of bridge decks. Infrared thermography surveys offer a more objective alternative to chain-drag surveys for the purposes of mapping delaminations in concrete. Infrared captures high-resolution imagery showing delaminations at a distinctly different temperature than areas in sound conditions. The adaptation of infrared to a fixed-wing plane has opened the door to low-cost, network-level delamination surveys.

Infrasense recently evaluated the condition of 85 interstate bridge decks located along I-29 and I-94 in North Dakota, USA. The deck evaluations were carried out in a single afternoon, using aircraft-based infrared thermography and visual imagery to identify and delineate areas of delamination and patching on the bridge decks. Chain drag was done on a small sample of decks by the state to compare results with the infrared findings, and both methods yielded good correlation of quantities with absolute error under 4%, as well as a reasonably good spatial correlation of the defects.

Ten PCA Member-Company Plants Receive EPA's ENERGY STAR Certification

The Portland Cement Association (PCA), which represents the majority of America's cement manufacturers, announced that 10 member-company plants received the Environmental Protection Agency's (EPA) distinguished ENERGY STAR

certification for 2022. The designation is awarded to manufacturing plants in the top 25% of energy efficiency in the industrial sector.

A total of 86 manufacturing plants from various industries were recognized, ranging from pharmaceuticals to manufacturers of auto parts. Combined, these facilities saved more than 105 trillion BTU of energy (1.1×10^{14} kJ) and prevented more than 6 million metric tons (6.6 million tons) of carbon emissions.

The complete list of 10 winners includes: Drake Cement, LLC, Paulden, AZ, USA; Salt River Materials Group, Clarkdale, AZ; GCC, Pueblo, CO, USA; CEMEX USA, Miami, FL, USA; Titan America LLC, Medley, FL; Argos USA, Harleyville, SC, USA; GCC, Rapid City, SD, USA; Buzzi Unicem USA, Chattanooga, TN, USA; Titan America LLC, Troutville, VA, USA; and Ash Grove Cement, Seattle, WA, USA.

SmartEquip Continues Global Network Growth

SmartEquip is a technology standard for equipment life-cycle management, service, and procurement support for the construction industry, with 1.4+ billion USD in equipment parts ordered through its network each year. Founded in 2000, the company's platform provides a seamless brand-enhancing experience for fleet owners, manufacturers, and distributors of complex equipment.

Today the SmartEquip Network has grown to more than 700 suppliers in 20 countries around the world, which support over 100 equipment owners across the globe.

Summit Held to Address Environmental, Social, and Governance Topics

Turner Construction Company is a provider of the delivery of green building projects that achieve environmental sustainability goals across multiple rating systems. In addition, the company is committed to providing an active caring environment for the more than 100,000 people who enter its workplace each day.

As the construction industry is evolving, Turner is implementing a broader sustainability strategy that is informed by environmental, social, and governance (ESG) criteria. In support of the company's strategy to achieve goals far beyond its jobsites, Turner hosted an ESG Sustainability Summit that brought together a diverse range of industry participants to exchange ideas to advance the sustainability of its operations and its supply chain.

At the 1-day Summit facilitated by Deloitte, approximately 45 industry leaders representing 18 companies came together to drive positive change and share the sustainability visions and journeys of their organizations. The Design for Freedom

initiative emphasizes an important, and often overlooked, element of sustainability, which is to implement ethical, forced-labor-free building material sourcing strategies for the industry.



Forty-five industry leaders representing 18 companies came together for the Deloitte summit

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