

PCI Awards 21 Projects for Design Excellence

The Precast/Prestressed Concrete Institute (PCI) announced 21 winners of its annual Design Awards program. Projects are submitted in categories such as transportation, buildings, and special categories, and they are judged by a panel of industry experts that includes precast concrete producers, engineers, architects, and construction and architectural industry media. The buildings and transportation categories were judged on aesthetic, structural, and use versatility criteria; site, energy and operational efficiency, and risk reduction; and resiliency, such as structure durability, multi-hazard protection, and life safety and health.

PCI also grants special awards to projects that are judged on characteristics such as industry advancement, sustainable design, and designs using all precast concrete.

For more information about the PCI Design Awards program, visit www.pci.org.

The 2018 winning building projects:

- **Government and Public Buildings**, The Phillip and Patricia Frost Museum of Science, Miami, FL;
- **Higher Education/University** (co-winners), Capitol Federal Hall, University of Kansas, Lawrence, KS, and University of Chicago Campus, North Residential Commons, Chicago, IL;
- **Hotels/Motels**, The Study at University City, Philadelphia, PA;
- **Manufacturing**, Universal Alloy Light Press Plant, Ball Ground, GA;
- **Mixed Use**, 4260 Cortex, St. Louis, MO;
- **Office Building**, Honor Credit Union Operations Office, Berrien Springs, MI;
- **Parking Structures**, Alpharetta City Center Parking Deck, Alpharetta, GA;
- **Religious**, Church of Jesus Christ of Latter-Day Saints Temple, Gilbert, AZ;
- **Stadiums and Arenas**, Commonwealth Stadium Renovation/Expansion, Lexington, KY; and
- **Custom Solutions** (co-winners), Corning Museum of Glass Contemporary, Art + Design Wing, Corning, NY, and Cleveland Public Square, Cleveland, OH.

The 2018 winning transportation projects:

- **Main Span up to 75 ft (23 m)**, The Carriage Pavilion Bridge at Union Station, Kansas City, MO;
- **Main Span from 76 to 149 ft (23 to 45 m)**, Interstate 85 Bridge over Piedmont Road, Atlanta, GA;
- **Main Span more than 150 ft (46 m) Non-Highway Bridge (pedestrian, bicycle, railroad, etc.)**, Aerial Guideway for the Dulles Corridor Metrorail, Herndon, VA;
- **Special Solution**, Peter Courtney Minto Island Bicycle and Pedestrian Bridge, Salem, OR; and

- **Main Span Bridge More Than 150 ft**, Chief Joseph Dam Timber Truss Bridge Replacement, Douglas County, WA. The 2018 winning special projects:
- **Harry H. Edwards Industry Advancement Award**, The Phillip and Patricia Frost Museum of Science, Miami, FL;
- **Sustainable Design Award**, Keauhou Lane, Honolulu, HI;
- **All-Precast Concrete Solution Award** (co-winners), Roseville City Hall Annex, Roseville, CA, and Port of Juneau Cruise Ship Terminal Concrete Pontoons, Juneau, AK.

American Concrete Pumping Association Announces Award Winners

The American Concrete Pumping Association (ACPA) announced the recipients of the 2017 ACPA Awards. The ACPA Awards promote merit and achievement in the concrete pumping industry and recognize individuals who have made exemplary contributions to ACPA. For more information, visit www.concretepumpers.com.

The 2017 ACPA Winners:

- **Safe Operator of the Year**, Sheldon Gier, Kokosing Construction Company, Fredericksburg, OH;
- **Hall of Fame Award**, Gabriel Ojeda, Fritz-Pak Corporation, Dallas, TX; and
- **Lifetime Achievement**, Bill Germany, Tri-Way Concrete Pumping, Dallas-Fort Worth, TX.

Wall of Wind Receives 2018 Charles Pankow Award for Innovation

The National Hazards Engineering Research Infrastructure (NHERI) Wall of Wind (WOW) Experimental Facility (EF) located at Florida International University, Miami, FL, was awarded the 2018 Charles Pankow Award for Innovation by the American Society of Civil Engineers (ASCE). The NHERI WOW EF innovation was recognized during ASCE's annual Outstanding Projects and Leaders Gala in March 2018. The award recognizes outstanding organizations that have collaborated to practice innovative design, materials, or construction-related research and development.

The NHERI WOW EF uses a 12-fan system to provide experimental capabilities including generating wind speeds up to 157 mph (253 km/h), or Category 5 Hurricane wind. This simulation allows civil engineers to understand the effects of extreme wind and rain on civil infrastructure systems, explore mitigation and resiliency techniques, and promote sustainable design practices. By testing sustainable and resilient engineering systems with the NHERI WOW EF, civil engineers can work to mitigate hurricane impacts and prevent wind hazards from becoming community disasters.

Blue Skies Drone Rental and ParaZero Announce Strategic Partnership

Blue Skies Drone Rental LLC (BSDR) announced a strategic partnership with Israeli-based ParaZero to provide parachute safety systems for popular unmanned aerial vehicle (UAV) models. Under the agreement, BSDR will provide sales of ready-to-fly kits with the DJI M600 Pro and other popular UAV models, including support and training on the safety systems. ParaZero SafeAir parachute systems incorporate patented technology to safely and immediately activate a parachute, while simultaneously cutting power to the motors, whenever indications of a crash (such as power loss or excessive pitch or roll) are detected. The parachute is deployed in a similar way that a car airbag is deployed. On descent, a loud buzzer sounds to warn bystanders of the descending UAV.

Outokumpu Wins a Stainless Steel Reinforcing Bar Order for the Rodanthe Bridge Project

Outokumpu Long Products has won a contract to supply more than 2500 metric tons (2760 tons) of stainless steel reinforcing bars to the Rodanthe Bridge project in North Carolina. Deliveries started in 2018 and will continue through 2020. The contract is with Harris Rebar to supply Grade XM-28 stainless steel reinforcing bars in sizes No. 4 through No. 9. This 2.4 mile (3.9 km) bridge will ensure safe and reliable passage for travelers and improve traffic flows among Outer Banks' communities, beaches, and protected areas. The construction schedule calls for the bridge to become operational in 2020.

Aristeo Construction Certified as a Women's Business Enterprise

Aristeo Construction announced certification as a Women's Business Enterprise (WBE). This certification was granted soon after the family-owned company announced a transition to a new generation of management. Aristeo was certified by the Great Lakes Women's Business Council, a regional partner organization of the Women's Enterprise National Council (WBENC), using WBENC's national standard of certification.

Trimble Announces Partnership with ADAPT

Trimble announced a partnership with ADAPT, provider of post-tensioned and reinforced concrete software. Through a direct integration between Tekla Structural Designer (TSD) and ADAPT-Floor Pro, Trimble provides structural engineers with a streamlined solution for post-tensioned concrete design. The integration allows engineers to design steel and

concrete for lateral and gravity loads in TSD and export the model geometry and loading to ADAPT-Floor Pro for post-tensioned slab design. The combined solution eliminates the need to work in multiple solutions and recreate models and loads, saving time and reducing errors.

Harrington to Head Cementir Holding's Region North America

Aalborg Cement Company Inc., through its parent company Cementir Holding S.p.A., acquired controlling shares of Lehigh White Cement Company and appointed veteran cement executive Daniel Harrington to lead the organization. Trading under the AALBORG WHITE® brand, Cementir, producer and exporter of white cement, has a long history of doing business in North America as a partner in Lehigh White Cement Company. Under Harrington's direction, Cementir's newly formed Region North America will be comprised of the North American cement production and distribution operations of Lehigh White Cement and the Group's existing company, Vianini Pipe, Inc., which produces reinforced concrete pipe and related products. Harrington previously served as President and CEO of Lehigh Hanson North America.

Cortec Products in Europe

Cortec® Corporation is now certified to use CE marking on six Migrating Corrosion Inhibitor™ (MCI®) products for the protection and repair of concrete structures. The six products are: MCI 2018, a 100% silane concrete sealer; MCI 2019, a 40% silane, solvent-based concrete sealer; MCI 2021, a concrete sealer that combines a blend of reactive silicates and surface-active agents; CorrVerter®, a fast-drying, water-based one-coat system (primer) that converts rusted surfaces to a hydrophobic passive layer and prevents further rusting with a formulation of chelating agents and PVC resins; MCI Wall Defense, a clear, silicone elastomer-based anti-graffiti coating that can be applied to exterior concrete, masonry, and metal surfaces; and MCI Architectural Coating, a water-based primer/topcoat designed to provide protection in harsh, outdoor applications. CE marking is mandatory for most construction products sold on the European market, as the mark confirms that a product has been assessed and meets safety, health, and environmental protection requirements. For the MCI products, the mark also indicates conformance to European Standard EN 1504, "Products and Systems for the Repair and Protection of Concrete Structures – Definitions, Requirements, Quality control and Evaluation of Conformity." The aim of EN 1504 is to standardize all aspects of the repair process and provide a framework for achieving successful, durable repairs.