Who, What, Why PCI?
The Precast/Prestressed Concrete Institute consists of more than 1400 professionals, engineers, architects, producers and associate members striving to improve the quality, economy and innovation of the construction industry by establishing new levels of design and engineering in precast applications.

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Preface Concrete Design
...Is Only Limited By Imagination
Precast concrete provides a number of functional and aesthetic needs for exterior and interior wall systems. With the ultimate in design flexibility, precast offers the possibilities of wide spaces, high ceilings, wide aisles, special staging areas - form liners, finish types and integration with other building materials such as brick, steel, and glass.

Precast Concrete also offers many benefits over other methods of construction:

- **Design Flexibility** - create any shape, size, texture, contour. Precast products allow for unconventional lengths and widths.

- **Fast/All-Season Construction** - precast components can be fabricated while the site is being excavated and then assembled in almost any kind of weather.

- **Economical** - less expensive on very large and very tall structures.

- **Durable and Low Maintenance** - eliminates the need to paint or rust-proof.

- **Energy Efficient** - precast panels offer interior insulation.

- **Safer** - safer, more comfortable environment, high fire ratings, ability to sustain shock, and withstands impact and abuse.

- **Sound Absorbing** – precast concrete dilutes sound naturally.

- **Exterior Beauty** - softer, brighter, more traditional looks and colors.

- **Compatible** – precast functions with any building material you choose. Combines with steel, glass, brick, wood, or stone.

- **Future Expansion** - the ability to replicate an existing panel allows for future expansion of the structure.

There are infinite possibilities when working with precast/prestressed concrete products. The possibilities of which are only limited by the imagination.

Welcome... to PCI-Central Region
The producer members of the PCI-Central Region are located in Indiana Ohio and Kentucky serve the Mid-Central United States.

If you need information about Precast Concrete feel free to contact us at:

PCI-Central Region
Edward P. Tumulty, P.E., Director
7870 Olentangy River Road
Columbus, Ohio 43235-1319

Phone: 614-436-3322
Fax: 614-436-4260
Email: tumulty@netwalk.com
I'm Glad I Used PRECAST because...

“Precast concrete saved us time and money. The use of a precast structure allowed us to build through the winter and to complete the Residence Hall (at right) in just nine months without sacrificing quality.”

William Bradford AIA
Principal
VOA Associates Incorporated

Architectural Precast Concrete
Color And Texture Selection Guide

The proper selection of color, form, and texture is critical to the aesthetic appearance of architectural precast concrete. The choice of appropriate aggregates and textures, combined with well-conceived production and erection details, can achieve a wide variety of design objectives.

It is recommended that the architect contact local architectural precast concrete producers in the early design stages and throughout the development of the contract documents. This will provide optimum utility and quality of the product and its installation at minimum construction cost. Precast concrete manufactured in a plant under factory-controlled conditions, ensures a uniform, high quality building facade in the desired shapes, colors and textures.

PCI offers a search engine at www.pci.org/ctg/ to guide you through the world of possibilities of architectural precast options in color and texture.

Building Solutions - Rose Hulman Institute
Breaking the Mold in Modular Construction

When your clients are also known as the “Fightin’ Engineers,” you know you have your work cut out for you. Nestled away in a small Western Indiana town, Rose-Hulman Institute of Technology is one of the most prestigious engineering schools in the nation.

Despite providing top graduates for an ever-changing, 21st century high-tech field, the school adheres to a distinctive turn of the 20th century campus atmosphere. The exterior aesthetics of the new residence hall needed to reflect this same look and feel while the interior had to be durable enough to accommodate the daily activities of 200 plus college students.

With Flexicore System, Inc.’s vast knowledge of the industry, value engineering and overall team approach to the project, architects and engineers were able to incorporate even more cost - and time - saving measures into the final design.

In addition to load bearing precast walls to support the deck, the precast solution for Rose-Hulman included interior panels that allowed the total structure to be erected without the concern of delays waiting for masonry block to be laid. These interior panels also required minimal finishing.

2001 Calendar of Events

August 7-9 - Professors PCA Design School
Spoke, IL

September 24-26 - Western Bridge Engineers Seminar
Sacramento, CA

October 11-13 - AIA Regional Convention
Cincinnati, OH

October 18-24 - PCI National Convention
John Ascuaga’s Nugget, Reno, Nevada

October 22-23 - OTEC Conference
Columbus, OH

November 30-December 2 - AASHTO General Meeting
Ft. Worth, TX

December 9-11 - CCAO/CEAO Winter Conference
Columbus, OH

“Oh, the Design Possibilities...”

PCI-Central Region... providing educational opportunities to architects, engineers and students regarding precast and precast/prestressed concrete products and applications.
Concrete Technology Inc.
measures 170 feet by 324 feet. Vehicles, has a width of 3 bays and levels, can accommodate 1,132 panels. The parking structure is 6
the architectural precast exterior while Concrete Technology provided supplied the structural components
wall system. Prestress Services floors, and a new horizontal light structure is state-of-the-art in design and construction, utilizing JVI Vector Connector double tee flange connectors, pretopped 6,500-psi concrete double tee floors, and a new horizontal light wall system. Prestress Services supplied the structural components while Concrete Technology provided the architectural precast exterior panels. The parking structure is 6 levels, can accommodate 1,132 vehicles, has a width of 3 bays and measures 170 feet by 324 feet.

Pictoria Island Parking Structure

The Pictoria Island Office Building and Parking Structure, currently under construction in Springdale, Ohio, is an example of two industry leaders combining their strengths for the benefit of the customer. The partnership between Prestress Services, Inc. and Concrete Technology delivered a low maintenance and durable parking structure for the owner in a short time frame. Ground was broken in March, precast erecting began in May, and will be finished in August, ahead of the required November completion date. The parking structure is state-of-the-art in design and construction, utilizing JVI Vector Connector double tee flange connectors, pretopped 6,500-psi concrete double tee floors, and a new horizontal light wall system. Prestress Services supplied the structural components while Concrete Technology provided the architectural precast exterior panels. The parking structure is 6 levels, can accommodate 1,132 vehicles, has a width of 3 bays and measures 170 feet by 324 feet.

Pictoria Island Office Building

Concrete Technology once again teamed with developer Tipton Interest, Inc., Fru-Con Construction Corporation and design architect Cooper Carry along with Cincinnati architect KBA Architects, Inc. to help create a major Cincinnati suburban office building.

The Pictoria Island Office Building is an intriguing combination of architectural precast concrete shape, mixes and finishes. A exposed aggregate finish occurs at the first level panel bases. Most precast panels consist of a buff colored mix with a sandblast finish. At the main entrance, dimensional granite clad precast column covers highlight a covered entry.

The eight story, 272,000 square foot office building is served by an adja-
cent five story total precast parking deck (see above). Concrete Technology supplied the parking deck perimeter and ledger beams, along with the stair tower’s exterior walls, to Prestress Services, the parking deck’s structural precast sub-contractor. These precast components were designed to match the office building’s buff colored mix and finish.

This type of structure reflects the creativity and customer orientation brought to projects by Prestress Services. Prestress Services actively seeks out partnerships to compliment its core strengths of innovativeness, consistent project turn-around time, load and durability design while being responsive to the owners needs.

In this particular instance, the owner received a parking structure which matches the adjoining office building creating an impressive project.

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PCI-Central Region
Introducing our Producer Members

A producer member of the PCI organization is a firm or a division of a firm with a U.S. manufacturing facility regularly engaged in the production of plant-produced Precast and prestressed concrete. The following are the producer members within the PCI-Central Region:

Flexicore Systems, Inc.
Huber Heights, OH .................. 800-225-3539
www.flexicore.com .......................... 937-879-5775

Marietta Structures Corp.
Marietta, OH .................. 740-373-2400
www.marietastuctures.com

Ohio Valley Precast, LLC
Fairfield, OH .................. 513-587-0253

Precast Specialities, Inc.
Monroeville, IN .................. 219-623-6131
www.csra.com/CSRPrestress

PCI-Central Region
Edward P. Tumulty, P.E., Director
7870 Olentangy River Road
Columbus, Ohio 43235-1319

Prestress Services Inc.
Lexington, KY .................. 859-299-0461
Melbourne, KY .................. 859-441-0068
Decatur, IN .................. 219-724-7117
www.prestressservices.com

Sidley Precast
Thompson, OH .................. 440-298-3232
Youngwood, PA .................. 724-755-0205
www.sidleyprecast.com

Stresscore Inc.
Southbend, IN .................. 219-233-1117
www.strescore.com