PERFORMANCE BEYOND PROMISE

Celebrating 70 Years of Excellence

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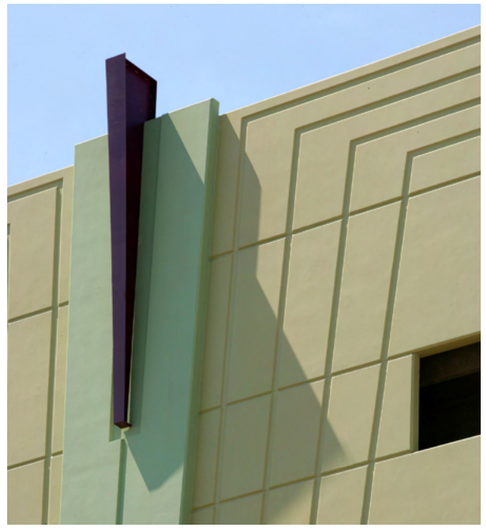

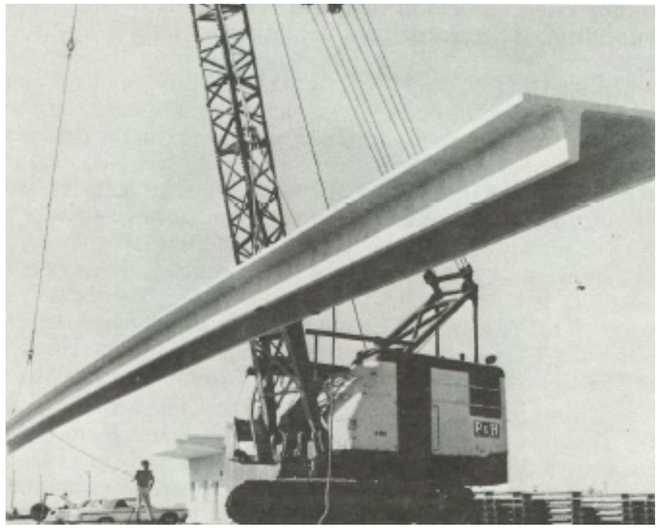

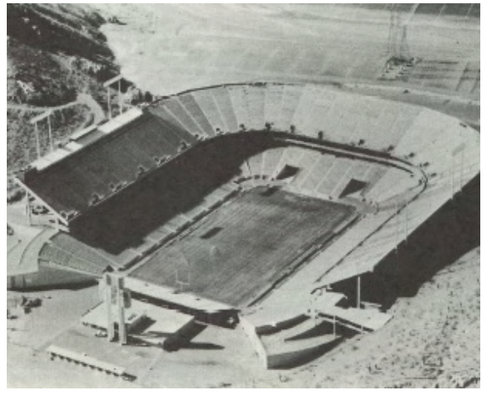

A MESSAGE FROM TPAC

As we proudly celebrate 70 years in business, we want to extend our deepest gratitude to the customers who have made this milestone possible. Since our founding in 1956, our commitment has remained the same: **delivering trusted products, reliable service, and strong partnerships that stand the test of time.**

This anniversary is a reflection of your continued confidence in us. Your support has allowed us to grow, innovate, and continually enhance the solutions we provide. We are truly grateful for every opportunity to serve you.

We would also like to extend a heartfelt thank you to our parent company, EnCon United, for their unwavering support and leadership. Their guidance, resources, and commitment to excellence have been instrumental in our success and in helping us reach this 70 year milestone.

As we look ahead, we remain dedicated to earning your business every day—with quality, integrity, and service you can count on.

Thank you for being an essential part of our journey. We look forward to many more years of partnership and shared success.

With sincere appreciation,

Tpac
AN ENCON COMPANY

TOTAL PRECAST SYSTEMS
Architectural and Structural Integration

The Total Precast Advantage

A Total Precast System (TPS) is more than a construction method. It is an integrated delivery approach that unites structure, enclosure, and architecture into a single, high-performance solution. Across markets, TPS consistently delivers five core advantages that shape better buildings and more predictable project.

SCHEDULE & COST CONTROL

Parallel off-site fabrication and on-site work shorten schedules, reduce trade coordination, and deliver predictable costs with fewer delays, change orders, and general conditions.

QUALITY

Factory-controlled manufacturing and certified processes result in consistent material performance and reduced variability during installation.

SAFETY, COMFORT, & PERFORMANCE

Inherent fire resistance, structural robustness, acoustic control, and healthy indoor environments protect occupants and enable reliable performance under daily use and extreme events.

DURABLE & SUSTAINABLE

High-strength, low-porosity concrete enables long service life, minimal maintenance, thermal moderation, and reliable performance across demanding climates and environmental conditions.

DESIGN FLEXIBILITY

Integrated structural and architectural systems enable expressive façades, long spans, and adaptable interiors while simplifying coordination and reducing on-site trades.

The Precast Process

DESIGN & ENGINEERING

Precast systems are engineered in coordination with the design team to confirm member sizing, connections, tolerances, sequencing, and constructability. Detailed shop drawings define geometry, reinforcement, prestressing, embeds, finishes, and connections.

MOLD PREPARATION

Reusable steel forms and casting beds are cleaned, inspected, and set to exact dimensions. Architectural features, blockouts, and liners are installed to establish final geometry and surface characteristics.

PLACEMENT OF STEEL AND EMBEDS

Embedded items, reinforcing steel, and prestressing strands are placed and secured per approved drawings. Steel is supported to maintain cover, alignment, and profiles prior to concrete placement.

CONCRETE BATCHING & PLACEMENT

Concrete is placed, consolidated, and finished to meet structural and architectural requirements. Placement methods ensure complete encapsulation of reinforcement, consistent surface quality, and dimensional accuracy.

FINISHING AND SURFACE TREATMENT

Exposed surfaces are finished to meet architectural requirements, including form finishes, reveals, textures, or applied treatments. Finishing work is completed prior to curing to achieve the specified appearance.

PRESTRESSING FORCE RELEASE

For prestressed members, strand forces are released after concrete reaches specified strength, transferring compressive stresses into the element and establishing final structural performance characteristics.

STRIPPING AND INSPECTION

Elements are removed from forms once strength and dimensional requirements are met. Surfaces, embeds, and dimensions are inspected, with patching or corrective work performed as required.

STORAGE AND HANDLING

Completed elements are stored on dunnage and handled using designated lift points. Storage practices prevent damage, distortion, or surface degradation prior to shipment.

SHIPPING AND LOGISTICS

Precast components are loaded, secured, and transported to the site in planned erection sequence. Delivery logistics are coordinated to support site access, crane capacity, and installation efficiency.

ERECTION

Elements are hoisted, set, aligned, and temporarily braced according to the erection plan. Connections are completed to establish structural stability and integrate precast components into the building system.

TPAC'S LEGACY

Leaders In Precast / Prestressed Concrete

Tpac traces its origins to 1956, when precast concrete operations began in Arizona as a division of Superior Sand and Gravel Company. Those operations later became part of the Tanner Brothers Contracting Company and adopted the name Tanner Prestressed and Architectural Concrete. Since that time, Tpac has delivered major building and infrastructure projects across the Southwest while steadily expanding its technical capability, production capacity, and industry involvement and becoming a major subsidiary of the EnCon United Company.

Early Years

By the late 1960s and early 1970s, Tpac had consolidated its prestressed concrete operations under a single identity and was operating as a dedicated precast manufacturer.

In 1970, the company completed its first $1 million project, the First National Bank Building in Phoenix. At the time, it stood as the largest architectural precast structure in the city and prompted expansion of Tpac's Phoenix manufacturing facility. During this same period, Tpac installed Arizona's first 8-foot-wide double-tee form, increasing structural capacity and positioning the company to support larger and more complex systems. Additional plants followed in Las Vegas and Southern California, extending Tpac's reach across the Southwest.

Growth and Expansion

As demand for precast concrete systems increased through the 1970s and 1980s, Tpac expanded beyond architectural enclosure systems into structural and transportation products. The company introduced Span-Deck systems, piling forms, and long-span prestressed members, including dedicated bridge girder casting lines that supported regional infrastructure programs.

These investments increased production capacity and allowed Tpac to deliver larger spans and heavier components with greater consistency.

During this period, Tpac supported a range of high-profile transportation and civic projects across the Southwest. The company produced architectural precast cladding for the Central Avenue Bridge in downtown Phoenix and later contributed to the I-10 Deck Park Tunnel corridor, including bridge elements, tunnel structures, and vent buildings. Tpac also supplied precast systems for Phoenix Sky Harbor International Airport Terminal 4, one of the region's most significant aviation infrastructure projects.

By the 1990s and early 2000s, Tpac's portfolio included major sports and entertainment venues as well as continued technical development. Projects such as the Phoenix Suns Arena, Anaheim Arena, and the Arizona Diamondbacks Ballpark demonstrated the company's ability to support large-scale and complex structures. During this same period, Tpac incorporated Self-Consolidating Concrete into production, improving surface quality and manufacturing efficiency and later contributing to SCC approval for ADOT bridge girders.

Tpac Today

Today, Tpac operates as EnCon United's Southwest manufacturing subsidiary, delivering architectural, structural, and transportation precast systems from design through erection. The company's 60-acre production facility includes outdoor prestressing beds, an on-site batch plant, and extensive yard space to support large-scale production and logistics. In-house engineering, BIM coordination, and erection teams provide continuity from early design through installation. With PCI certifications across architectural, structural, and bridge products and active involvement in PCI, ACI, and academic partnerships, Tpac builds on nearly seven decades of manufacturing experience as it continues to support projects across the Southwest.

FOUNDING
1956

Precast operations begin in Arizona, establishing the foundation for what would become Tanner Prestressed and Architectural Concrete (Tpac).

ADVANCING TECHNOLOGY
2000s

Tpac adopts new production methods, including early use of self-consolidating concrete (SCC), improving quality, efficiency, and architectural finishes on major projects.

ACQUIRED BY ENCON UNITED
2015

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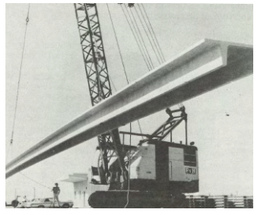


EXPANSION
1970s-1980s

Tpac expands manufacturing capacity, product lines, and geographic reach while delivering landmark projects, including the First National Bank Building in Phoenix–the city's largest architectural precast structure.

IMPACT
1990s

Throughout the 1990s, Tpac delivers architectural and structural precast for major transportation, civic, and sports projects across the Southwest, including architectural precast for Interstate 10 through downtown Phoenix and other region-defining infrastructure work.

INDUSTRY LEADERS
2020s

As EnCon United's Southwest manufacturing subsidiary, Tpac continues to deliver complex precast systems while actively supporting industry education, including manufacturing and sponsorship support for Northern Arizona University's first-ever win at the PCI Big Beam Competition.

PROJECT PROFILES
Buildings and Infrastructure

Hyperscale Data Centers
Confidential

Project 07 and Project 13 are total precast hyperscale data centers designed for speed, cost efficiency, and durability. Deep-stem double tees support heavy mechanical and equipment loads, allowing early server installation and flexible operations. Architectural precast panels with layered gray tones, integrated reveals, and roof screens create a durable, visually refined exterior, delivering high-performance, mission-critical facilities that meet demanding operational requirements.

Tempe Crossroads
Phoenix, AZ

Roosevelt High School is a 230,000 SF, CTE-focused campus serving approximately 1,300 students on a 65-acre greenfield site. Insulated precast wall panels support durability, energy efficiency, and architectural expression, including a 900-seat theater. Organized around a central commons known as “the Heart,” the school integrates academic and career pathways with robust athletic and performance facilities and has received multiple national design and education award

I-10 Broadway Curve
Phoenix, AZ

The Broadway Curve Improvement Project is Arizona’s largest urban freeway reconstruction, delivered by the Pulice–FNF–FlatironDragados joint venture for the Arizona Department of Transportation. Spanning 11 miles through Phoenix, Tempe, and Chandler, the project improves mobility for more than 300,000 daily commuters through added lanes, rebuilt interchanges, and extensive bridge work, while maintaining traffic via innovative, phased construction methods throughout delivery.

Pennington St. Garage
Tuscon, AZ

The Pennington Street Garage is a seven-level, 769-space parking structure with ground-floor retail and office space. Ramps serve all levels along the south bay, with flat parking in the north bay. Architectural precast spandrels and wall panels feature integral desert-beige and light-brown finishes with projecting light-green vertical accents.

MWU Vet College
Phoenix, AZ

Midwestern University and the Phoenix Zoo are constructing a 27,000 SF Veterinary Medical Center along the Zoo’s Outer Africa Trail. The facility will include advanced medical and diagnostic spaces, classrooms, and collaborative areas, with viewing windows and digital displays for guests. Fourth-year veterinary students will train alongside zoo veterinarians, strengthening hands-on education, research, and animal care.

State Farm Stadium
Glendale, AZ

State Farm Stadium is a 63,400-seat NFL venue with a concrete superstructure supporting a 5,600-ton retractable roof and movable natural grass field tray. Structural and precast concrete provide long-span durability and load capacity for large crowds, premium seating, and evolving program needs, enabling ongoing upgrades while maintaining the flexibility required for a multi-use sports and events facility.

Lifetime Fitness

Gilbert, AZ

Lifetime Fitness is a 100,000 SF, two-level commercial fitness facility. The building features exterior insulated wall panels with running bond and soldier course brick patterns in Metro Brick 105 Fieldstone and 507 Empire. Precast concrete elements—including columns, beams, double tees, flat slabs, stairs, and solid walls for stair and elevator cores—provide durability, structural efficiency, and architectural expression.

Polly Rosenbaum Archives

Phoenix, AZ

Designed to protect Arizona's historic records, the 125,000 SF Polly Rosenbaum State Archives Building uses insulated precast wall panels for structural support, seismic resistance, and up to four-hour fire protection. The precast envelope maintains strict temperature and humidity control while providing long-term durability and security suited to Arizona's desert climate.

NAU Conference Center

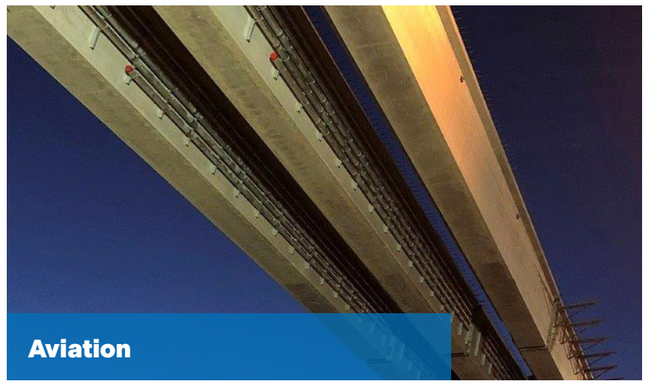
Flagstaff, AZ

Northern Arizona University's Conference Center Parking Garage is a multi-level, 340-space structure supporting the adjacent conference center and connected hotel. The garage provides direct access for event attendees, students, and visitors. Constructed as part of an integrated campus development, the precast concrete double-tee system incorporates positive drainage, high-strength concrete, and surface sealing to withstand winter conditions and reduce long-term maintenance.

AZDEQ Headquarters

Phoenix, AZ

The AZDEQ Building is a six-story, 300,000 SF high-performance office facility designed to achieve LEED Silver in an extreme desert climate. Architectural precast concrete forms the durable building envelope, enhancing thermal performance, while high-efficiency mechanical systems and sustainable site strategies reduce energy use. The project delivers a resilient, comfortable workplace with long-term durability, efficiency, and sustainability integrated throughout the design.



PHX Sky Train

Phoenix, AZ

The PHX Sky Train is a free, fully automated electric people mover serving Phoenix Sky Harbor International Airport. The system connects the Valley Metro Rail station at 44th Street and Washington, East Economy Parking, airport terminals, the 24th Street Station, and the Rental Car Center. Operating 24/7, the five-mile, six-station system replaces shuttle buses to improve mobility, reliability, and convenience.

Phoenix-Mesa ATCT

Mesa, AZ

The 194-foot-tall Phoenix-Mesa Gateway Airport Air Traffic Control Tower features a seismically resistant, 12-sided precast concrete shaft composed of 42 exterior ring panels and 89 interior walls with integral color and sandblasted finish. Precast floors, stairs, and landings accelerated the three-month schedule, reduced field labor, minimized spliced connections, and met stringent FAA drift and tolerance requirements.

70 YEARS STRONG

Performance Beyond Promise

As a subsidiary of EnCon United Company, Tpac brings the strength of a national precast/prestressed leader to every project. From engineering and preconstruction modeling to estimating, shipping, and erection—this integrated expertise supports a more coordinated and predictable process from concept to completion. With the resources, technical depth, and multi-plant capabilities of an organization that has delivered billions of dollars in precast construction nationwide, we continue to provide the dependable service our clients have trusted for seventy years.

Plant Locations

1 **Tpac**
3052 S 19th Ave.
Phoenix, AZ
(602) 262-1360
sales@tpacaz.com

2 **EnCon Colorado**
8600 Welby Rd.
Denver, CO
(303) 287-4312
sales@enconcolorado.com

3 **Stresscon**
3210 Astrozon Blvd.
Colorado Springs, CO
(719) 390-5041
sales@stresscon.com

4 **Atlanta Structural Concrete**
80 DeHunt Dr.
Buchanan, GA
(707) 646-1888
sales@enconcolorado.com

Products are ISO/IEC 17021-1 and ISO 9001:2015 Certified, ensuring consistent, traceable, and high-quality structural elements.

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tpacaz.com

Products & Features

- Bridge Girders
- Double Tees
- Beams & Columns
- Box Core
- Hollow Core
- Solid Wall Panels
- Insulated Wall Panels
- Riser & Stairs
- Formliners
- Cornices
- Bullnose
- Color
- Finish
- Texture

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