



All Under One Roof

A New Administrative Complex Brings the Province of Corrientes Together

Corrientes, Argentina

Modern Infrastructure for More Efficient Public Service

The new Corrientes Administrative Complex is changing how an entire province serves its people. Rising in the city of Corrientes, Argentina, it brings together the provincial government's offices and agencies in one location, replacing scattered facilities with a single, efficient destination for residents who need public services. The complex includes three office towers that share a similar floor plan and a distinctive hexagonal geometry. When it opens, citizens will spend less time moving between buildings and more time getting the help they came for, and the province will have the headquarters built for the demands of today's public administration.

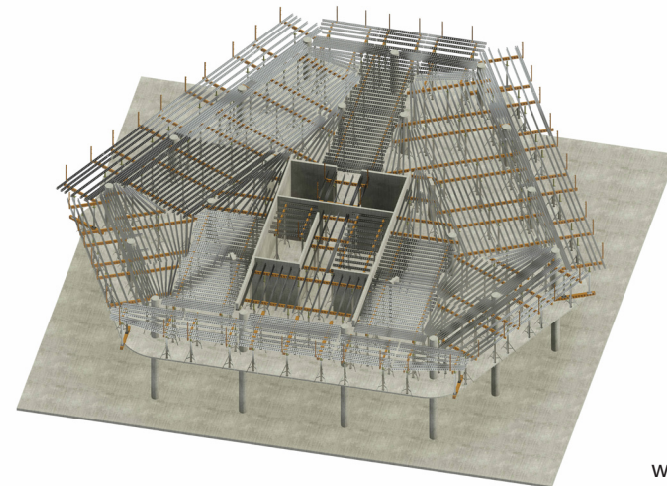


Three office towers sharing a similar floor plan and distinctive geometry create a unified headquarters built for the demands of modern public administration.

More Than a Long-Standing Relationship

PANEDILE ARGENTINA, a well-established name in Argentina's heavy construction industry, faced a complex project and brought in EFCO to form and shore its most demanding structural elements. EFCO supplied all of the formwork and shoring for this commercial high rise, covering every structural element in all three towers from the ground floor up. The two companies have a long working history together, but that wasn't the deciding factor on its own. EFCO earned the job on the strength of its equipment reliability, hands-on engineering support through every phase of planning and execution, and its ability to shape solutions around the project's requirements. PANEDILE ARGENTINA also had EFCO components already on hand from previous projects, letting the team put existing inventory straight to work.

The project's site conditions called for a mix of EFCO systems: the E-Z DECK® shoring system, deployed in both tower and single-post configurations, the EFCO LITE forming system paired with SUPER STUD®, the EFCO Round Column®, and EFCO DECK® reshoring posts.



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One Project, Many Structural Conditions

Most buildings can be built with a single formwork and shoring system from top to bottom. This complex needed several. Within the same project, crews had to form single-height and double-height waffle slabs, circular columns, and elevator and stair cores, each with its own demands. The waffle slabs were the largest task. PANEDILE ARGENTINA was casting them with its own reusable pan molds, so EFCO adapted the E-Z DECK® system to fit them rather than forcing a change in method, thereby protecting the client's construction sequence, safety standards, and pace. Crews shored the single-height bays with E-Z DECK® single posts and the taller double-height bays at ground level with E-Z DECK® towers. Once a slab gained strength, EFCO-DECK® posts took over the reshoring so the forming equipment could move up to the next floor.

Engineering Reuse Into the Schedule

The payoff showed in the amount of work the same equipment could do. At ground level, E-Z DECK® towers shored about 10,120 ft² (940 m²) of waffle slabs and beams. On the typical floors above, two sets of E-Z DECK® handled roughly 20,240 ft² (1,880 m²), and EFCO-DECK® posts reshored the same 20,240 ft² (1,880 m²) below them. EFCO laid out the shoring so one set of components could serve both the low and the tall bays, which cut the amount of equipment on site and simplified moving it from stage to stage. The elevator and stair cores worked the same way. With the EFCO LITE® forming system and SUPER STUD®, crews ran a single set of forms through the cores on a planned rotation, finishing one stage and resetting for the next without waiting on more material. Each of these choices reduced the total cost of placing the concrete, resulting in the Lowest In-Place Concrete Cost (LIPCC) to PANEDILE ARGENTINA.

Rather than forcing the contractor to change methods, EFCO adapted its shoring system to work with PANEDILE ARGENTINA's existing reusable pan molds, protecting the established construction sequence.



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Forming Circular Columns With Confidence

Each tower also needed Round Columns, about 23 per floor. EFCO formed them with its circular column system. Crews stacked form segments to build each 23.6" (600 mm) diameter column to a full height of 17' 9" (5,400 mm), then braced it with telescopic shores that adjust from 11.8' to 20' (3,600 mm to 6,100 mm). The forms are rated for a maximum concrete pressure of 3,000 psf (144 kPa), so crews can place concrete at a productive rate while still staying within the limits set by ACI 347-14. EFCO's quick bolts let workers close and strip the forms quickly between pours, and using the same setup on every column kept the finished concrete consistent across all three towers.



Each tower required roughly 23 Round Columns per floor, formed by stacking segments to reach the full height and braced with adjustable telescopic shores.

Why PANEDILE Chose EFCO

PANEDILE ARGENTINA chose EFCO because the job needed more than formwork. It needed a partner that could adapt to the client's existing approach and remain flexible as plans changed. The architectural design was revised more than once during construction, and each time EFCO reworked its engineering and returned it on time, so the schedule held and the crews kept working. EFCO trained PANEDILE ARGENTINA's people on site, supported the work as it went up, and stayed close enough to head off problems before they cost time. Dependable equipment, innovative engineering across changing conditions, clear and honest communication, and fast field service are what keep the complex moving safely and efficiently, consistently delivering the Lowest In-Place Concrete Cost (LIPCC).

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PANEDILE chose EFCO for this building complex because of the confidence the system gives us, and because we already owned components we had purchased earlier that we could add to the needs of the job. When it comes to decision-making, EFCO's willingness, technical guidance, and engineering expertise are essential. More than once, that engineering had to change due to revisions to the architectural design, and EFCO always responded promptly and on time. We also have to mention that when it came time to train our people, the EFCO team was there on site supporting the process. Technically, the system is strong, reliable, and well resolved, and it adapted perfectly to the particulars of this job, with its hexagonal floor plans and waffle slabs.

Claudio De Gerónimo, Project Manager, PANEDILE ARGENTINA

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EFCO EQUIPMENT

EZ-DECK®, EFCO LITE®, SUPER STUD®,
Round Column®, EFCO DECK®

EFCO FORMWORK SPECIALISTS - ARGENTINA

Gabriela Loveri.....Territory Manager
Mario Patiño.....Engineer
Facundo Basilis.....Field Supervisor

PANEDILE ARGENTINA

Claudio De Gerónimo.....Project Manager
Emanuel Saavedra.....Project Director
Camilo Olivera.....Foreman