

# Best Precast Concrete Solutions Provider 2023 - Italy

See how COPREM, a pivotal industry leader in Italy and Europe, revolutionises prefabricated concrete solutions with cutting-edge technologies – redefining construction efficiency and environmental sustainability. It is no surprise to see the company recognised in the Construction and Engineering Awards 2023.

Company: Coprem S.R.L.  
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COPREM is the epitome of ingenuity in prefabricated concrete solutions, providing a pivotal reference point for designers, institutions, and corporations across Italy and Europe. The company's profound guarantee to innovation and high performance in prefabricated concrete is underpinned by a continual investment in research and development. This dedication has propelled COPREM to offer an extensive array of tailor-made products and services aimed at minimising the environmental footprint associated with construction projects.

COPREM's innovative prowess is encapsulated in three groundbreaking technologies, each representing a leap forward in construction efficiency and effectiveness.

At the core of COPREM's offerings are versatile protection systems for prefabricated concrete and in-situ castings. Utilising High-Density Polyethylene (HDPE) liners endowed with specialised anchoring techniques, these protection systems ensure not only the structural integrity of the concrete but also bestow hydraulic seal and longevity upon the construction. The repertoire is further enriched with an extensive selection of polyethylene sheets that waterproof large tanks and artificial lakes.

Helping it to stand out from the crowd, COPREM unveils an innovative post-tensioning system for box modules, ingeniously transforming them into a singular, robust beam. This revolutionary approach swiftly resolves the challenges of traversing roads, motorways, and railways, underlining COPREM's pledge to efficient construction solutions.

In embracing the digital age, COPREM offers the Smart Pipe, a pioneering solution for monitoring distribution networks and orchestrating subterranean maintenance interventions. This technological marvel showcases COPREM's proactive stance towards integrating innovative technologies for enhanced project management and long-term maintenance.

COPREM pioneers technological innovation and envisions a seamless project execution for its clients. The Coprem Servizi division extends a comprehensive 360-degree solution by encompassing all operations associated with their vast array of customisable products. This includes laying underpasses, on-site welding, and precision installations of liners for castings, among a myriad of other services. COPREM stands as a reliable single point of contact for projects of any scale and complexity.

As part of its diverse structure, COPREM's production spectrum is thoughtfully categorised into six distinct divisions, each catering to specific construction requirements.

The boxes division presents modular rectangular elements with closed or open sections featuring removable insoles. These components find their purpose in constructing significant infrastructure such as collectors, technological tunnels, bridges, and underpasses. Internally lined with a polyethylene liner (CPL), these boxes ensure a hydraulic seal, fostering pressure resistance of up to 4 bar. The range includes CPL boxes, Welded Joint® boxes, Reinforced Boxes, CPL canals, Welded Joint canals®, and Reinforced canals.

Circular section pipes, whether glass or cylindrical, cater to sewer systems and canalisation. The jacking pipes, particularly suited for micro tunnelling, boast internal polyethylene lining (CPL) that guarantees hydraulic seal under up to 7,5 bar pressures. The variety includes CPL push tubes, Welded Joint push tubes®, Reinforced push tubes, CPL Pipes, Welded Joint Pipes®, and Reinforced Pipes.

The Wells division offers elements with circular sections of varying diameters, complete with tanks crafted from fibreglass or polyethylene. These wells feature resin lining and inlets constructed from polypropylene or fibreglass, accommodating diverse pipe types. The selection comprises CPL inspection wells with square sections, Refined circular section inspection wells, Circular section inspection wells, CPL wells with circular areas, and Circular section wells with tanks and CPL.

Collaborating with DWF Qatar, COPREM assures top-notch waterproofing solutions to the European market. Utilising flexible HDPE and LLDPE liner systems in smooth sheets or equipped with different anchors, COPREM offers a diverse range of thicknesses to suit various project requirements. The lineup includes T-Grip Liner, V-Grip Liner, and Geomembranes.

Project-specific products encompass lifting stations, rain tanks, fire tanks, modular elements, large canals, and various customisable solutions. COPREM's commitment to tailoring products for unique projects highlights its customer-centric approach and versatility.

Lastly, COPREM's concrete division ensures the production and direct delivery of pre-mixed concrete for civil and industrial applications. Operating through a state-of-the-art production plant with a double mixer, COPREM guarantees quality concrete delivery, underscoring its stringent dedication to excellence.

COPREM's standing as the forerunner in innovative prefabricated concrete solutions is a testament to the company's dedication to superior engineering and sustainable practices. Continually striving to reduce the environmental impact of construction projects while delivering top-notch products and services, COPREM sets a standard for the industry, promising a bright future for construction innovation in Europe and beyond.

