

BERTOLI COSTRUZIONI
YOUR CONCRETE PARTNER







BERTOLI COSTRUZIONI S.p.A.

A HISTORY THAT SHAPES
THE FUTURE SINCE 1946



The duration and success of every story are shaped by time.

Bertoli Costruzioni began more than 70 years ago, designing and realising works in the industrial and civil construction sectors; a distinguishing feature is the in-house technical department and, as a result, the ability to organise and manage the entire job order from start to finish. All with professionalism and innovative solutions, built on experience that combines the values and passion of a family business with those that have led it to be a solid construction company.

Bertoli Costruzioni effectively organises and directly manages work, employing proven technical solutions like self-sinking structures and precast industrial foundations, which enables it to minimise safety risks and execution times. In addition, its know-how has led it to build residential and commercial buildings, carry out renovation and seismic improvements, and build 'A' energy class buildings.

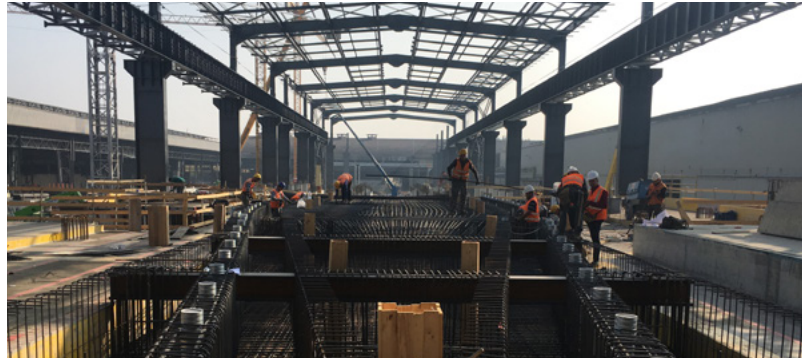
Relevant also are the numerous collaborations with major national steel and metallurgical companies, playing a crucial role in fostering the development of new skills and opportunities.



Video
Corporate

BERTOLI COSTRUZIONI

OUR “TURNKEY” FORMULA





INDUSTRIAL CONSTRUCTIONS

CAREFUL MANAGEMENT
MEANS A BETTER EXECUTION



The ability to manage and co-ordinate every phase of the project, including the 'turnkey' formula, coupled with having a single contact person in charge of the supply chain, guarantees optimal co-ordination of everyone involved.

In short: quicker and more efficient.

AMONG THE ACTIVITIES PERFORMED:

- construction, extension and maintenance of industrial buildings
- foundations and bases for industrial plants
- revamping and renovation





PRECAST INDUSTRIAL FOUNDATIONS

REDUCE TIME,
INCREASE EFFICIENCY



One of **Bertoli Costruzioni**'s added values is a state-of-the-art construction system, which drastically reduces installation time and eliminates long production downtimes. Prefabrication is carried out in-house or in an area made available to the client. The blocks follow a precise and functional identification system.

A flexible and fast method, developed and perfected over the years through fruitful partnerships with leading national steel manufacturers.

Preparing the plant site? Everything under control.

Bertoli Costruzioni takes care of every aspect and every need: planning, excavation, demolition of existing structures, realisation of floors, preparation of necessary markings and laying.



Precast
Industrial



OUR METHOD

Bertoli Costruzioni, synonymous with efficiency and reliability, owes much of its credit to a system that manages and coordinates everything from start to finish, quickly and with successful solutions in every way.

THE PREFABRICATION SYSTEM IS DEDICATED TO:

- plant manufacturers and suppliers
- production industries that renovate plants
- industries wishing to install new plants



IN-HOUSE DEVELOPMENT

ONE FOR ALL



QUALITY ASSURANCE

By managing and controlling every stage, Bertoli Costruzioni assures quality, efficiency and safety.

From design, through the prefabrication process, to installation, there is a single person responsible for the entire job, even with "turnkey" delivery.



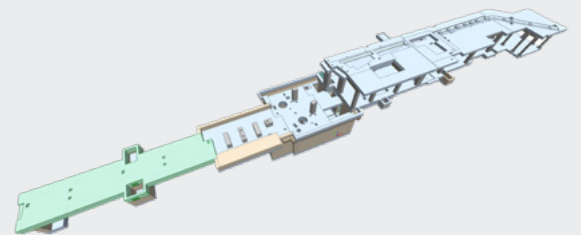
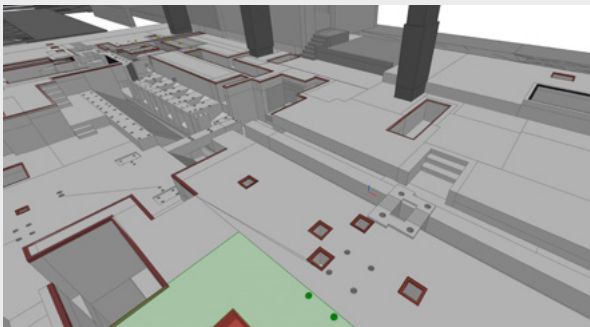
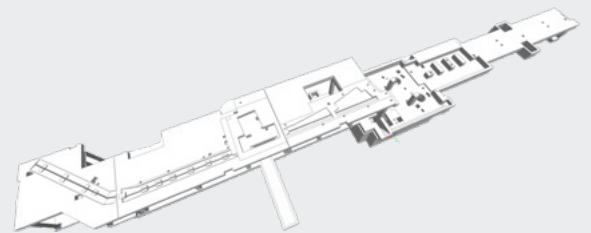
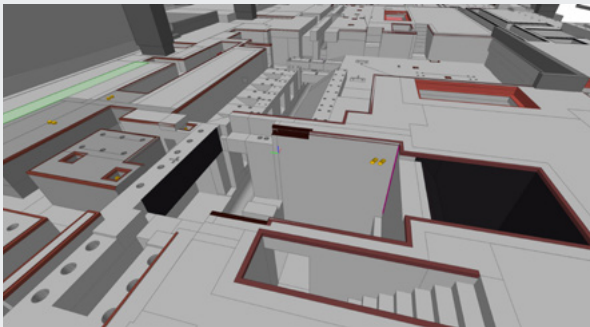


REQUIREMENT

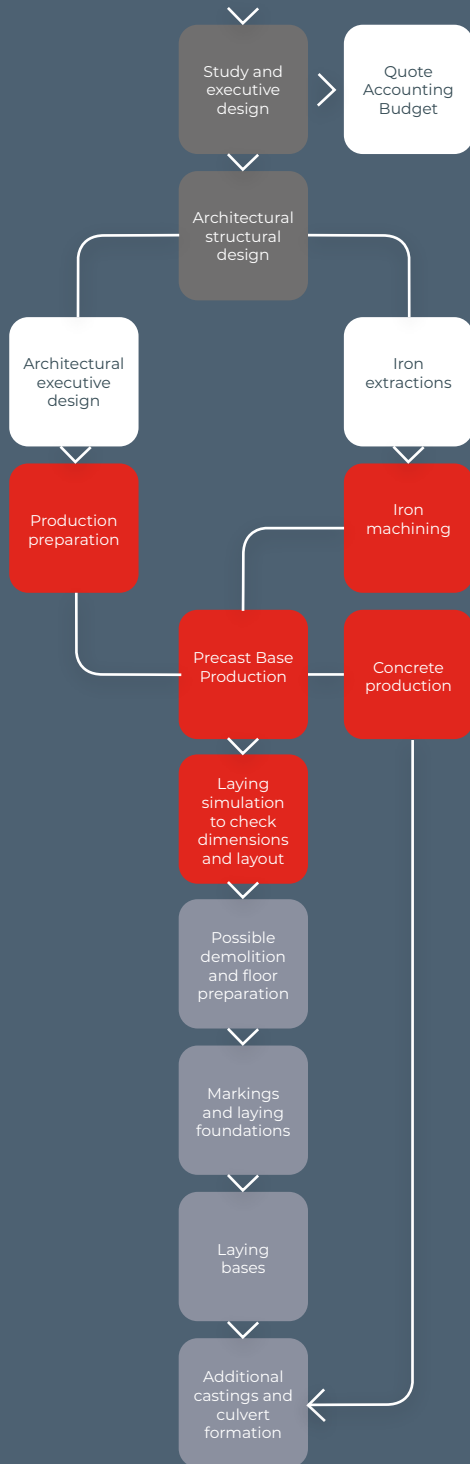
Final mechanical designs provided in advance.

New efficiency, new speed.

An innovative solution, designed and implemented to optimise the execution of the building works necessary for the installation of industrial plants.



Final Mechanical Designs



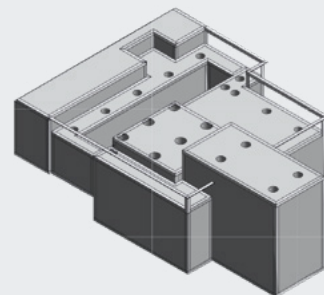
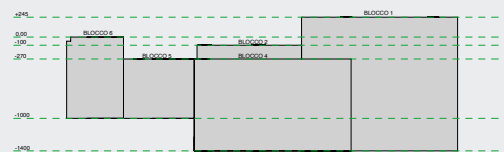
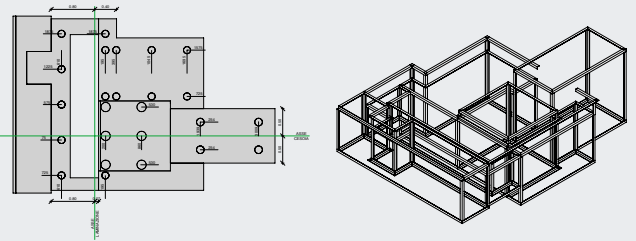
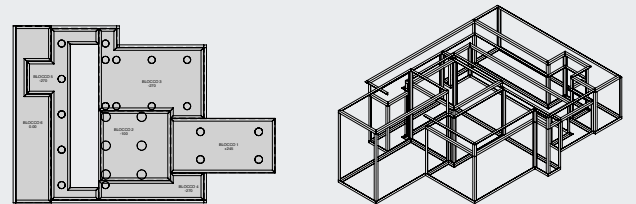
Key

- Design
- Documents
- Production
- Building site



Rendering and Technical Drawings

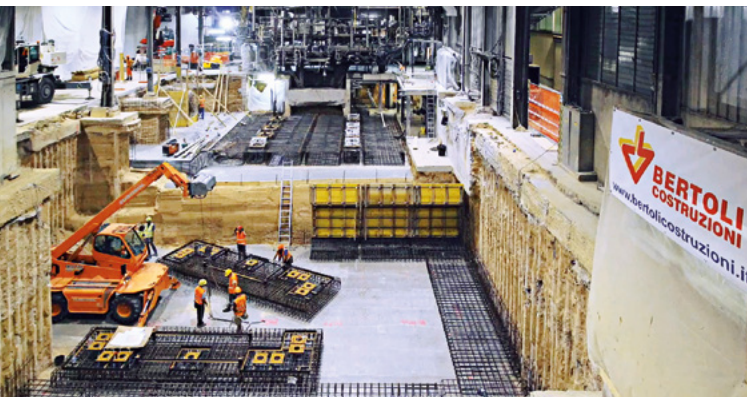
Carried out by the technical department.





PRODUCTION PROCESS

THE SUPPLY CHAIN OF EFFICIENCY



■ □ Design

The in-house technical department oversees everything: the executive design, the coordination of workers and overall project planning. This involves ongoing and meticulous monitoring of the work.

■ Prefabrication Phase

The production of precast buildings is impeccably executed, either at **Bertoli Costruzioni's** facilities or at the client's site, which is autonomously prepared and equipped by qualified personnel.

■ Laying Simulation

The precast blocks are organised according to a precise and simple identification and control system. Working drawings with the laying sequence are also drawn up, and transport and storage logistics are organised.

■ Floor Preparation

Bertoli Costruzioni specialises in excavating, demolishing and removing any existing structures, so that the concrete floors for the installation of precast buildings can be flawlessly carried out.

■ Markings

In order to guarantee the perfect outcome of the work, the markings necessary for the correct laying of the foundations are carried out and checked by specialised internal topographers.

■ Laying and Additional Castings

The final phase of laying the precast foundations is managed and controlled by qualified personnel, as is the creation of additional consolidation castings between the blocks, with the possibility of creating ad-hoc service culverts, pipe benches, flushing, etc. All in compliance with safety regulations.



SELF-SINKING REINFORCED CONCRETE CAISSONS

A TECHNIQUE WITH MANY ADVANTAGES,
STARTING WITH SAVINGS

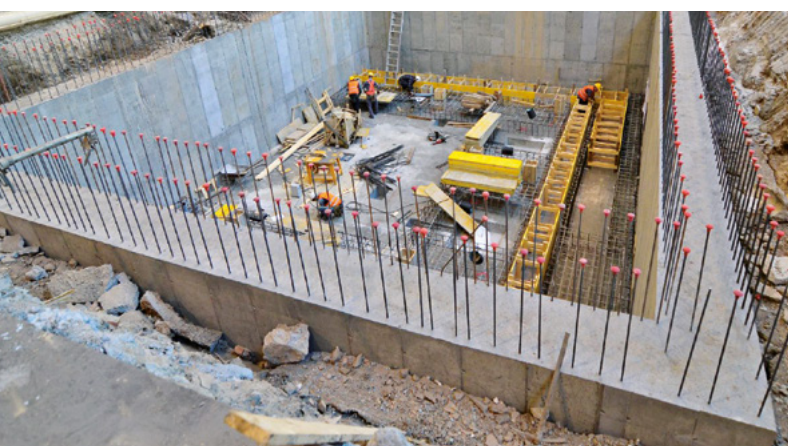


**THE METHOD ALLOWS
TO CONSTRUCT
THE STRUCTURE
ACCORDING TO
DESIGN DIMENSIONS
WITH A SIGNIFICANT
REDUCTION IN THE
EXCAVATION AREA**

The technique, developed by **Bertoli Costruzioni**, is well-suited for deep excavation in confined spaces. It not only minimises the excavation area but also eliminates the need for dewatering operations, leading to both cost and time savings in the process.



Self-Sinking
Caissons





CIVIL WORKS

AT THE FOREFRONT OF TECHNOLOGY
AND MATERIALS



Bertoli Costruzioni exemplifies innovation in civil construction, from technologies to materials, and consistently aligns with structural regulations and reference standards with a focus on energy efficiency.

Bertoli Costruzioni also designs and implements measures in the public building sector. It does so using the latest machinery and equipment, ensuring both speed and quality.

ACTIVITY:

- construction of civil buildings for public and private use
- architectural redevelopment and structural recovery of buildings
- construction of commercial and office buildings, cast-in-place or precast
- demolition of buildings
- urbanisation works such as roads, bridges, viaducts, railways and underground railways
- hydraulic and naturalistic engineering
- river and reclamation projects

BIM: BUILDING INFORMATION MODELLING

To know first what it will be like later

Always up to date with new technologies, **Bertoli Costruzioni** uses the BIM model to virtually construct a project prior to its actual construction.

BIM is the digital representation of the physical and functional characteristics of a building. It serves as a model that contains all the information that can be integrated by all workers involved in the project throughout the entire life cycle of a structure — from its design and construction to its demolition and decommissioning.

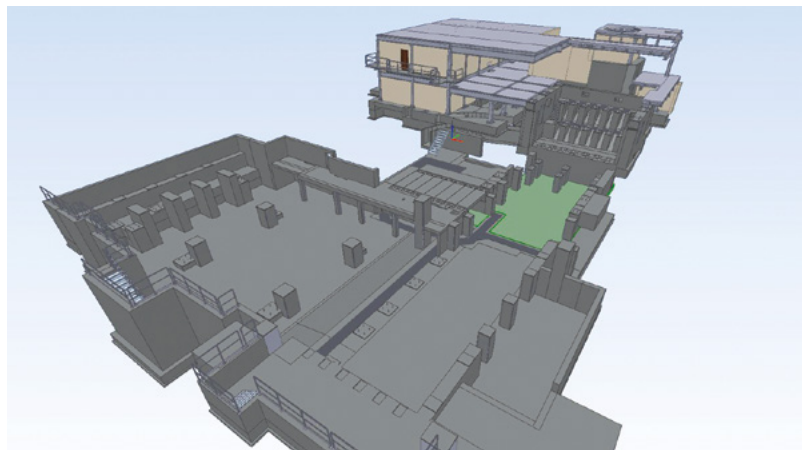
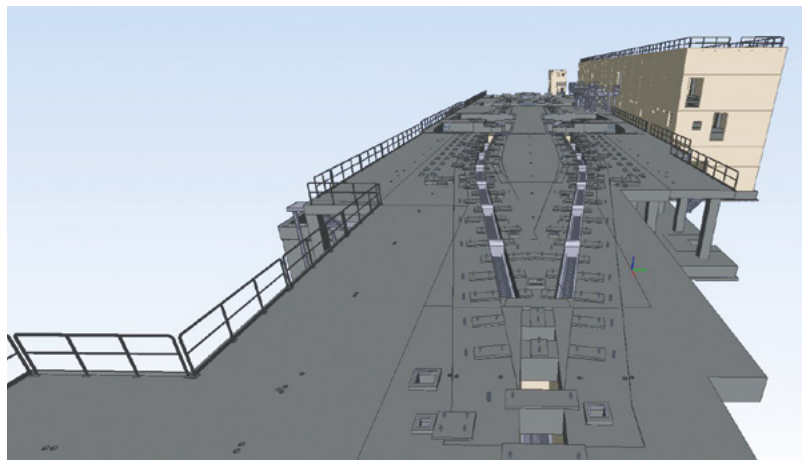
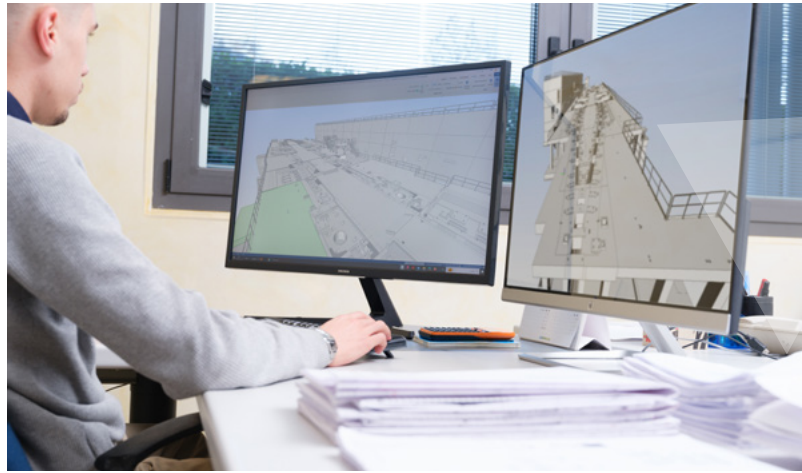
The virtual model contains all the information on the structure, integrated and constantly verified during each design phase, so as to have continuous access to data on geometry, materials, load-bearing structure, thermal characteristics and energy performance, installations, costs, safety, maintenance, life cycle, demolition and decommissioning.

The digitalisation of design and project management activities presents substantial benefits in terms of efficiency, guaranteeing the optimisation of the entire production process, mitigating the risk of errors and issues, ultimately leading to a reduction in both time and costs.

BIM technology facilitates the sharing and transparency of all information pertaining to the design project and its execution.

ADVANTAGES:

- allows to integrate into a single model all information useful in each design phase: architectural, structural, plant engineering, energy and management
- improves efficiency and productivity, reducing errors, downtime and costs
- gives the client the opportunity to have a virtual elaboration of the building's life cycle, facilitating maintenance planning





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