





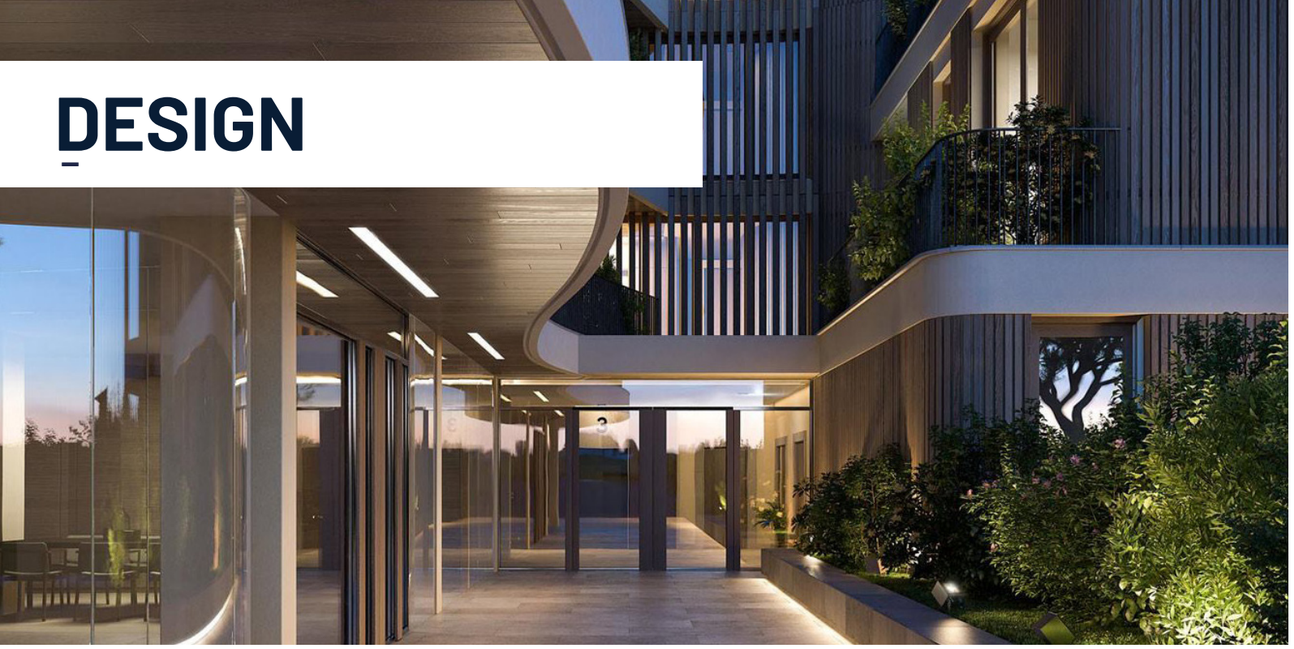
B.Cube

Società di Ingegneria





DESIGN



Design in the field of **Building Engineering**, with its two main specializations in Technical **Architecture** and **Structural Engineering**, constitutes one of the most important segments of **B.Cube's activities**. In this context, we have developed **excellent projects** over the years, working on large buildings (e.g., the new headquarters of L. Bocconi University in Milan) as well as smaller-scale interventions. We also have recognized expertise in **renovation and restructuring of existing buildings**.

In all our projects, regardless of scale, program, or economic value of the intervention, our effort is aimed at **identifying appropriate solutions that meet the needs and are suitable for the specificities of each cas**e. We pay particular attention to safety, ease of implementation and maintenance, economic and environmental sustainability, and the context.

A) IDEATION PHASE:

- Investigations, surveys, and problem analysis.
- Identification of alternatives and operational directions.
- Pre-feasibility studies.
- Cost and benefit analysis of alternative solutions.
- Verification of urban compatibility.

B) DESIGN PHASE:

- Preliminary design.
- Feasibility study.
- Urban design.
- Environmental design.
- Interior design.
- Preliminary, detailed, and executive design.
- Documentation and assistance for financing procedures.
- Specifications, technical specifications, price lists, quantity surveys, and cost estimates.
- Documentation for requests for proposal or tender.
- Safety plans.

BIM (BUILDING INFORMATION MODELING)

B.Cube offers **comprehensive solutions in the field of structural and architectural design using Building Information Modeling (BIM)**.

Building Information Modeling has become an **integral part of the construction industry** as it allows professionals to digitally analyze the key physical and functional characteristics of a project before its realization.

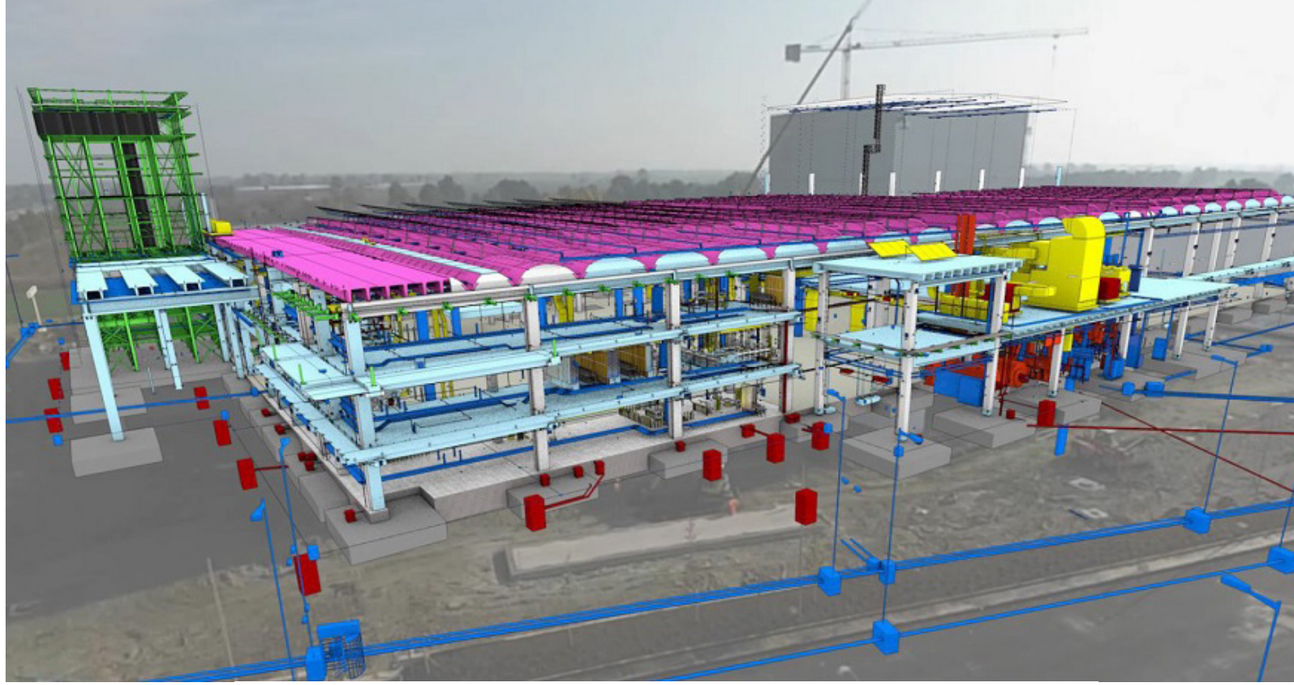
In our industry, the application of BIM technology has transformed workflows by enabling the consideration of civil engineering works throughout their entire lifecycle. Our information modeling solutions are based on coordinated, reliable, and precise data, made possible by utilizing the most up-to-date BIM software.

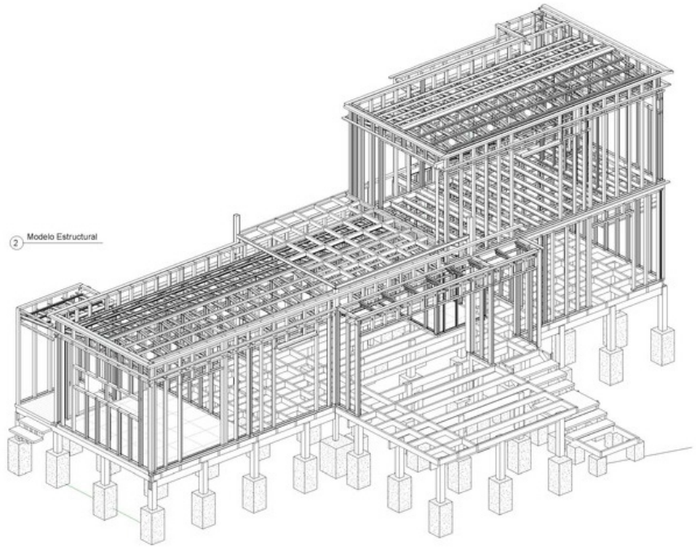
Building Information Modeling (BIM) is a **process based on 3D models that generates a federated model of the project**, containing information from various disciplines.

This model enables our clients to visualize their investment before the project is executed.

By its nature, BIM encourages enhanced communication among architectural, structural, and MEP (mechanical, electrical, plumbing) consultants, offering all parties **the opportunity to control and coordinate the project like never before**.

BIM
DESIGN





PROJECT MANAGEMENT

We believe that a good project is one that is able to identify and **achieve clear objectives, fully meeting the needs and expectations from which the project originates**. Such a result largely depends on the ability to foster proper interaction among different specialized components and to plan and manage all the activities of design, development, and control. It primarily relies on the aptitude to establish a collaborative dialogue with the client, ensuring **constant and systematic quality verification**.

In the execution of Project Management services, B.Cube employs the **best expertise regarding technical, regulatory, and procedural aspects**, responsibly handling the coordination of all phases and processes, in close collaboration with the client and while respecting the targets.

A) PRE-CONSTRUCTION PHASE

- Technical assistance to the Contracting Authority (RUP - Responsible for Public Contracts);
- Verification of completeness and adequacy of documents;
- Assistance to the contracting entity in obtaining permits, authorizations, and approvals;
- Support during the tender phase for the selection of contractors/suppliers;
- Technical and administrative consultancy;
- Evaluation, monitoring, and supervision of projects and programs.





CONSTRUCTION MANAGEMENT

As a company structured to offer **integrated and comprehensive services**, B.Cube specializes in engineering, managing, and supervising the execution of complex construction projects.

This activity is primarily directed towards construction companies and is carried out by **personnel with qualified experience in the field of Construction**, who have held managerial roles in the past in General Contractors or Construction Companies.

The integrated approach enables us to identify the best opportunities to add value and improve the quality of the works.

It also allows for effective planning, considering the objectives of time and cost, as well as the characteristics of the operating contexts. We pay the utmost attention to **optimizing processes** to ensure better control over execution methods and the quality of outcomes. Additionally, we prioritize **safety and environmental sustainability conditions**.

TENDER, QS & COST ANALYSIS

Estimates, Quotations, and Estimated Metric Computations

B.Cube, based on its own database, market research, and continuous monitoring of the most important construction projects in Italy, **is capable of defining the economic aspect of the most complex projects**, ultimately determining the figures constituting any type of business plan.

In the development of the project phases (preliminary, final, executive), initial estimates are gradually refined, transitioning from parametric values determined through analytical metric computations.

Capitolati, Technical Specifications, and Tender Documents

Depending on the type of construction project (new construction, renovation, restoration) and the type of client (public or private), **B.Cube prepares the bidding documents, including contracts, special contract specifications, and technical specifications**. This is done in close collaboration with Designer:s, specialists, and the client, adapting to even the most specific requirements and leveraging their experience **to ensure alignment between the project and its execution.**

Assistance in the Tender Process

In close collaboration with the client, following their standards, or independently according to their own procedures, B.Cube is capable of **identifying lists of qualified suppliers for any type of contract or procurement**. B.Cube compiles and standardizes the tender documentation, advertises the tender, prepares comparisons of the received bids, meets with suppliers and contractors, and assists the client throughout **the negotiation process, leading up to the signing of the contract.**

Service for Companies in Tendering

B.Cube, with its team of professionals with experience in the construction industry, has developed a **service to support construction companies** in participating in both public and **private tender processes**. This support includes technical and economic analysis, document review, scrutiny of metric computations, price analysis, economic evaluation of work thanks to an established supplier database, the exploration of improvement proposals, critical contract and specification analysis, project planning and work program development, site planning, identification of faster and/or cost-effective construction technologies.

The service is complemented by activities such as work accounting and measurement, the preparation of variant surveys, and procurement activities.

Cost analysis is conducted by **researching the market at the time of proposal preparation or by drawing from B.Cube's own database**, which has been built over time with data from completed contracts categorized by their technical characteristics and contract values.

PROJECT CONTROL & PLANNING

B.Cube deploys the best technical expertise derived from experience in General Contractor companies for the proper **planning and control of complex projects**. At B.Cube, we believe that careful Project Control is a crucial and indispensable element to ensure the success of a project, from its initial conception and planning to its conclusion and delivery.

PLANNING

Drawing from past experiences with General Contractors, **B.Cube is capable of developing work programs of various natures and complexities** tailored to the investor's needs. These programs define the time frame of an investment in all its major phases or in detail for each task. This is an indispensable tool for the General Contractor to ensure the proper execution of the project.

Using its established **internal database of productivity analysis** and leveraging the quantities of work and project budget, **B.Cube calculates analytically the number of hours** required to complete each activity, providing monthly **curves of man-hours and economic production**.

PROJECT CONTROL

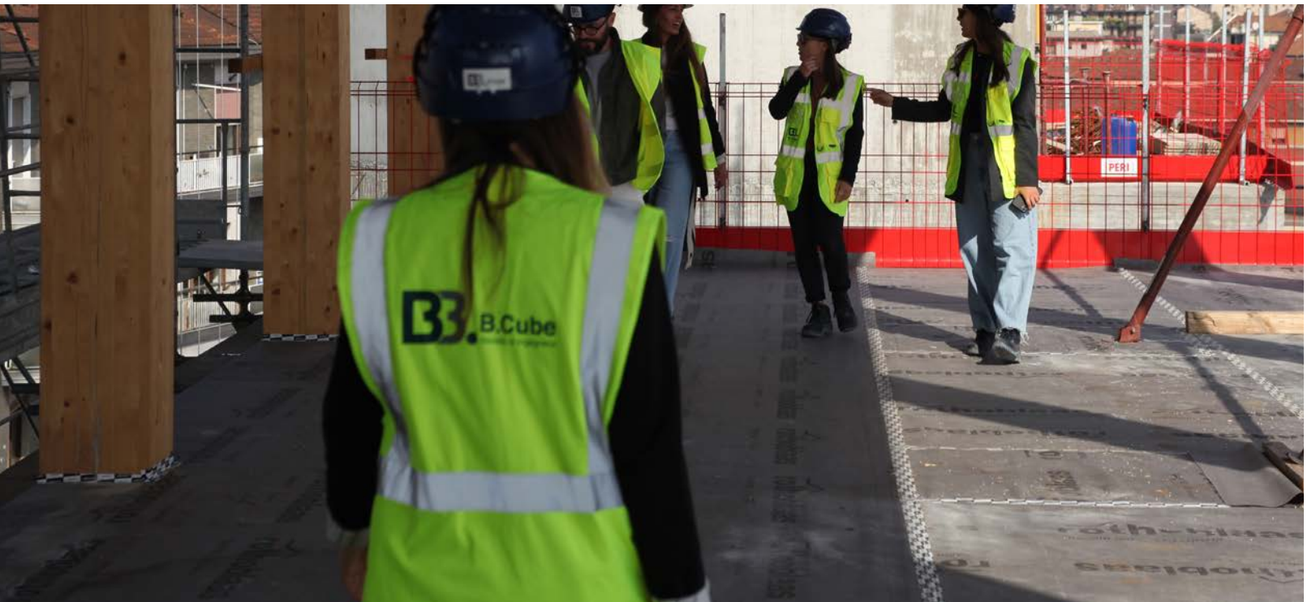
Based on the **baseline** that B.Cube establishes through its constant and active presence on the project, **we evaluate the project's progress in economic terms, man-hours, and as a percentage of the total**, comparing it to the planned schedule. In case of deviations from the baseline, we actively develop action plans to **mitigate any delays, recalculating the requirements** in terms of man-hours and finances to completion.

We create **intuitive dashboards** to identify the project status and highlight any critical issues through indicators, along with detailed **monthly reports** that depict the progress of EPC projects in all phases. **We generate Time Impact Analysis** on the project baseline to analyze the deviations caused by individual events, thereby supporting the General Contractor in potential requests to the client.

- Creation of Master Schedule
- Work Sequence Analysis
- Allocation of financial and time resources, study of productivity
- Economic and temporal project planning
- Time Impact Analysis
- Monitoring and updating
- Action Plan and Mitigation Plan
- Monthly Reporting







WORKS MANAGEMENT

Works Management is a key professional role in the construction process, responsible for the technical and administrative **supervision of the construction site,** ensuring its compliance with the project and current regulations.

B.Cube coordinates the site activities and communicates with all project stakeholders, thus creating the necessary conditions for the correct and timely completion of the work. **Thanks to its experience in both on-site work and design, B.Cube addresses technical issues and ensures timely technical solutions**.

Works Management appointed by the client as **a natural continuation of the detailed and executive design, managed through** Document Control, is one of B.Cube's strengths. **It allows** the client to achieve efficient and **effective coordination** throughout the project supply chain, resulting in significant technical, temporal, and economic benefits.

B.Cube can fulfill both the role of "**DLG**" (General Works Management) and "**DLS**" (Structural Works Management).

- Technical and administrative management
- Measurement, accounting, assistance, and supervision of works
- Inspection and approval of works
- "As-built" project
- Execution phase safety coordination.

DOCUMENT CONTROL

Document Control is the process that **creates, manages, codes, names, distributes, tracks, records, archives, stores, and retrieves the documents produced**.

For this reason, B.Cube has considered it essential to implement and apply its own Document Control system, both for its detailed design and construction documents, as well as those related to Works Management, in order to facilitate the document flow.

In addition to its internal use, **Document Control is made available to General Contractors** who wish to manage all the necessary documents in a standardized and structured manner during the construction phase. This includes submissions of material data sheets**, method statements, quality and safety plans, and any other documents produced**, with the aim of monitoring the timely issuance and approval by the client through appropriate registers, creating alerts in case of delays.

Careful and accurate Document Control is **essential to minimize errors and reduce rework** to a minimum, ensuring that all participants in the process have correct access to up-to-date information and its history.





STEEL STRUCTURES AND FAÇADES

In line with the company **“vision”** of expanding its market, through the diversification of its reference sectors, and with the company **“mission”** of improving, expanding and integrating the support provided to businesses, B.Cube established in 2024 a **specialized department dedicated to steel structures and curtain wall systems**.

Based on the extensive experience gained by holding managerial roles within steel fabrication companies, curtain wall systems manufacturers, and General Contractors, **B.Cube’s Senior Advisors can provide appropriate support to General Contractors and manufacturing companies throughout all phases of project development and execution**, ensuring:

- **Technical support** for the review of the project documentation, to identify design shortcomings and/or details that could lead to critical issues during production or installation on-site.
- **The optimization of design solutions** to enhance constructability and on-site assembly efficiency, while ensuring compliance with production costs, work schedules, and safety regulations, and to ensure a full integration with all other design packages (e.g., concrete structures, roofing system, MEP system, etc.).
- **Support for the evaluation of potential operational scenarios** to verify that all necessary provisions and arrangements have been made (e.g., provisions for hanging loads, systems penetrations, thermal and acoustic insulation, corrosion and fire protection, etc.).
- **The development and validation of installation plans by** analyzing, refining, and verifying erection plans and installation strategies.
- On-site support during the installation of the steel structures and the façade systems and, in general, during all construction phases (including visual and performance mock-ups).
- **Contract management assistance**.
- **Quality controls and performance checks assistance**.

TEMPORARY MANAGEMENT

The knowledge of the construction industry, the experience in leading medium- and large-scale manufacturing companies and the expertise gained covering key positions for General Contractors on major national and international projects, **leads B.Cube's Senior Advisors in supporting manufacturing companies and general contractors** not only **from a technical perspective but also from an organizational standpoint** in case of company changes due to:

- **Generational or managerial transitions and M&A**
- **Revenue growth management**
- **Start-up of new management and control systems**
- **Financial distress situations**
- **Productivity and efficiency increasing**

Our **Temporary Managers** and B.Cube's technical team support companies by integrating and completing the company staff and, after an in-depth **assessment of the current state ("As-Is")** and the analysis of the strengths and weaknesses, they work alongside the company's board to define the **strategy** and to identify the key intervention areas (HR, Administration and finance, Management control and planning, QHSE, PMO, Purchasing, Tenders, etc.). Once the **action plan** has been shared with all members of the organization, they start implementing the necessary changes to shape the company from its current state into its **future vision ("To-Be")**.

B.Cube's approach is summarized in its slogan: **"Maximum effectiveness in the shortest possible time"** and the success of the intervention strategy is measured by the time committed to the company and by the time needed to make the presence of the Temporary Manager no longer necessary.
In carrying out the company development our **Temporary Managers** simultaneously prepare the organizational structure for their smooth and strategic exit.



COMPANY STRUCTURE

B.Cube has developed its organizational structure to ensure business success through the effective and efficient use of company resources. The company shares the goal with its clients to deliver projects that meet their desires, while also adhering to project timelines and budgets.

B.Cube is capable of fulfilling client requests both within its own facility and at other locations. Our employees are qualified technicians specialized in their respective fields. B.Cube assigns a project manager to each assignment who coordinates the team of technicians involved. This ensures effective organization and management of each project.



Alessandro Boe
Partner
Engineer with 20 years of experience in executive design and construction management of civil and structural works. Founding Partner and President of B.Cube, he leads the executive design and construction management sector.

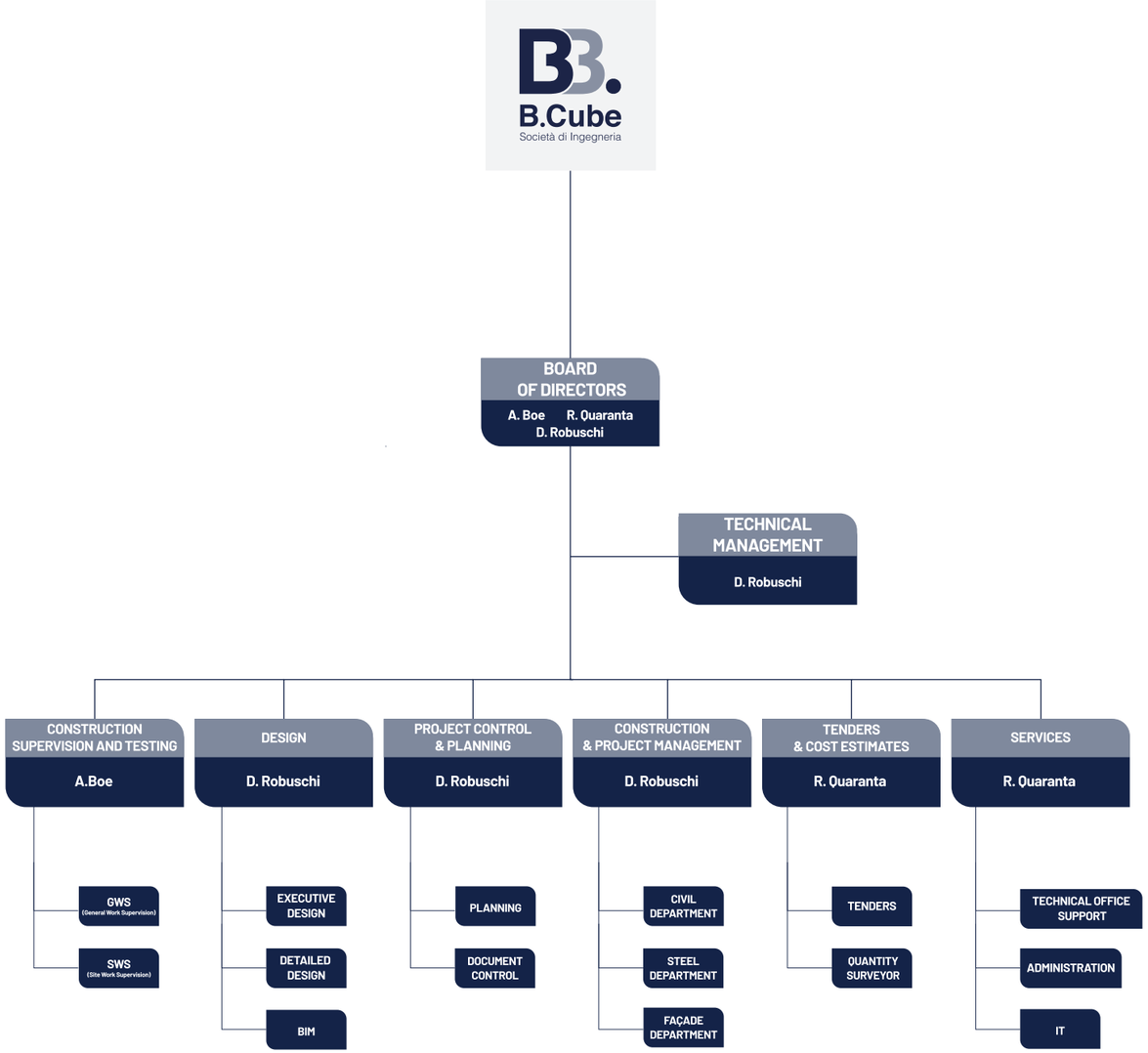


Raffaele Quaranta
Partner
With extensive experience as an executive in medium-sized general construction companies, he has been involved in both public and private contracts, as well as works accounting and procurement, for about 20 years. He is responsible for the estimation and tendering sector.



Diego Robuschi
Partner
With over 20 years of experience in Construction and Project Management, he has built complex, large-scale organizations from the ground up. As Technical Director, he oversees all technical aspects of projects, ensuring effective coordination and successful delivery.

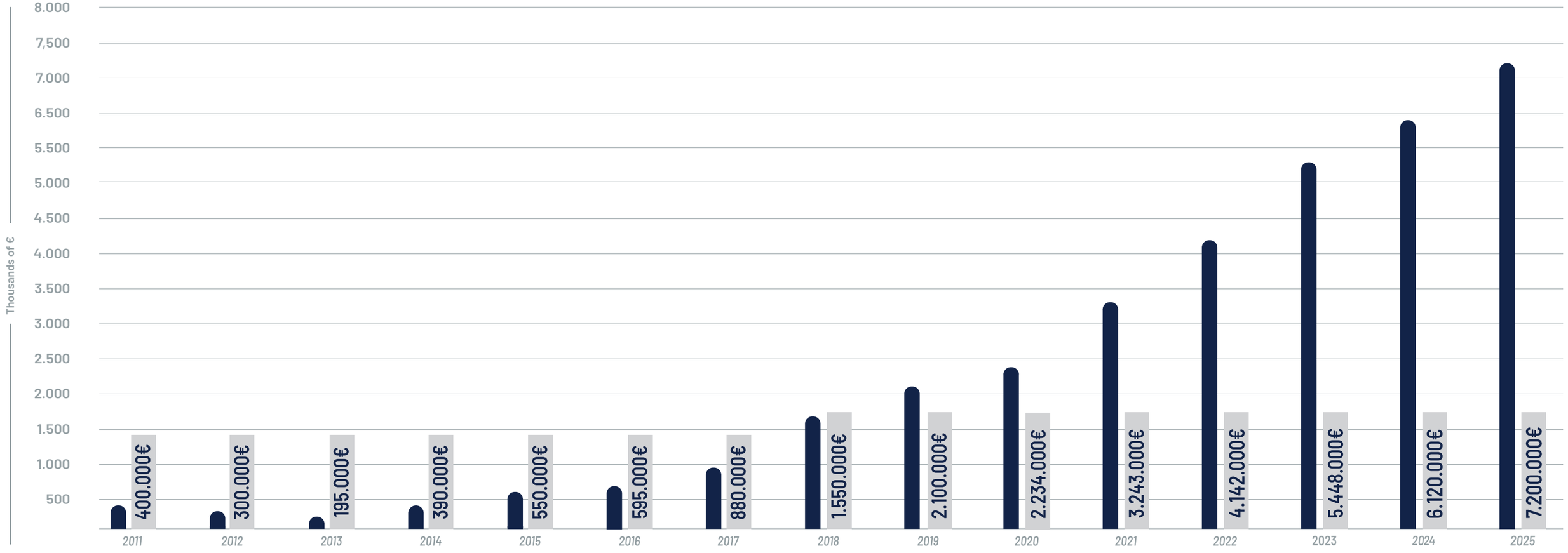
ORGANIZATIONAL STRUCTURE



TURNOVER

Established in 2007, B.Cube was initially formed as a technical support structure for construction sites of a major construction company in Milan. The current corporate structure has been in place since 2013, when the company underwent an internal reorganization process and expanded its market.

Despite the severe crisis in the construction industry, the trend of the turnover value is indicative of the continuous evolution that characterizes the company in carrying out its activities, through the diversification of its sectors of reference.



OUR PARTNERS

Abitare In®
ACPV ARCHITECTS
MERCURY
Colliers Global Investors
ASTI ARCHITETTI
ANTIRION SOCIETÀ DI GESTIONE DEL RISPARMIO
barreca & la varra
BNL GRUPPO BNP PARIBAS
ICM COSTRUZIONI
CARRON COSTRUZIONI GENERALI
cmb
THE SOCIAL HUB
COIMA
IMPRESA CEV
mario cucinella architects MC A
DEA CAPITAL REAL ESTATE SGR
ESSELUNGA
Hines
GRASSI & CRESPI
Invesco
KRYALOS SOCIETÀ DI GESTIONE DEL RISPARMIO
PROGETTO PCMR
cmr COSTRUZIONI MODERNE ROMA
LUXOTTICA
MANIFATTURA TABACCHI
GRUPPOFIDE
COVIVIO
ARDIAN
STARCHING
PRELIOS
I&C
PIZZAROTTI Fondata nel 1910
ARTISA Group





Via Vespucci 2 – Milan | Porta Nuova

Definitive, detailed, and construction design of the structural works, as well as structural site supervision, within the refurbishment project of the building at Via Vespucci 2 in Milan. The project was developed and coordinated in a BIM environment. The scope of works included document management and the engineering of dry and low-impact structural solutions, optimised for construction-site logistics. A key aspect of the assignment was supporting the Client in selecting the most effective permitting and approval pathway for the project.

Client:
ARDIAN
General Contractor:
Impresa CEV S.p.A.

Designer
BEST

B.Cube Role:
Definitive, detailed, and construction design of the structural works and structural site supervision.

Progettato in BIM



Scarampo Hotel – Milan

New hospitality development for Fondazione Fiera Milano in Viale Scarampo. The building features a rectangular base measuring 7 m, from which a tapered tower rises between levels 7 and 19–22. The upper terraces form a green grandstand overlooking the city. The façade alternates opaque and transparent elements, while the iconic, slender tower accommodates guest rooms distributed up to the 14th floor.

Client:
Fondazione Fiera Milano
General Contractor:
Nessi&Majocchi

Progettista
Lombardini22/Manens

B.Cube Role:
Tender-phase assistance and value engineering; construction and detailed design of structural works and civil works, with coordination of building systems and façades.

Progettato in BIM



Sacbo Hotel – BGY – Bergamo

The multi-storey building (1 basement level and 6 above ground) accommodates a hotel with offices and services connected to "Il Caravaggio" Airport. The first two floors include the reception area, bar, restaurant, play area, breakfast/banqueting room, flexible meeting rooms (up to 100 seats), terrace, and fitness area. Floors from the second to the sixth host 180 double rooms. The common areas clearly separate guest spaces from operational services, optimising circulation and flows.

Client:
S.A.C.B.O. S.p.A.
General Contractor:
Gencantieri S.p.A.

Designer
PR5/BURO MILAN/TEKSER

B.Cube Role:

Technical-economic study and critical project analysis during the tender phase; construction and detailed design of civil works, with coordination of building systems and façades.



Sports Forest - Venice Arena

The new Venice Arena is part of a multifunctional context, near the Marco Polo International Airport, and envisages the construction of an indoor sports arena and event space capable of accommodating up to 10,000 seated people. The arena is spread over 4 levels, with 3 stands including one retractable, and a Food & Beverage area on the top floor of the project. The basement houses the warm-up gym for the teams.

Client:
Comune di Venezia
General Contractor:
ATI: CEV – Milani – MAEG – Gianni Benvenuto

Designer
Shesa

B.Cube Role:

Creation of Detailed Baseline in MS Project on assignment from General Contractor.
Technical support for Project & Construction Management.



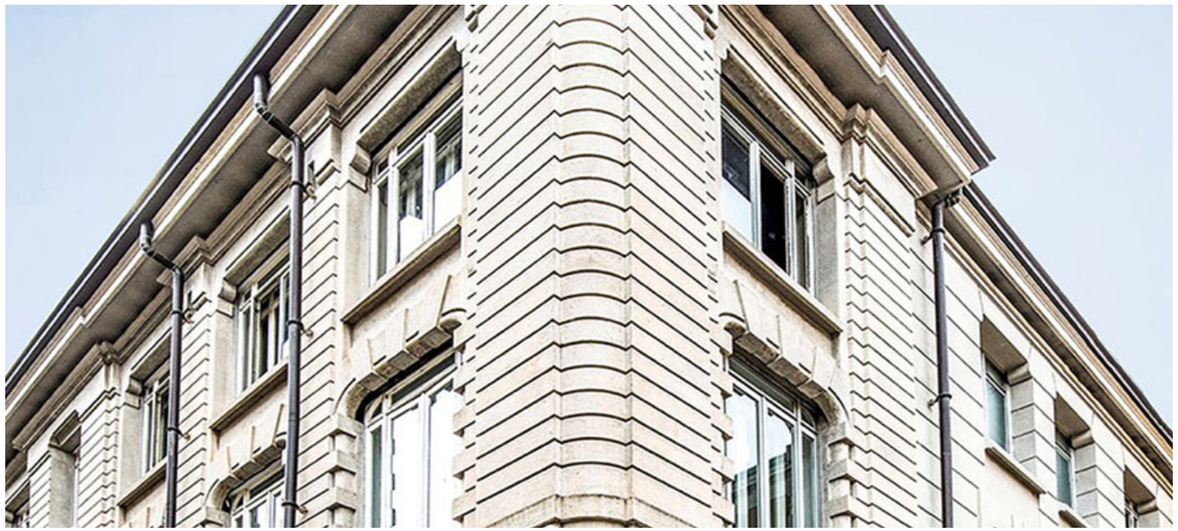
Cantù Arena

The new Cantù Arena will be built 1 km from the city center, with a connection to the existing shopping center. The urban plan includes, in addition to the sports complex with restaurants and offices, a commercial area of 2400 square meters and a buildting dedicated to fast-food restaurants. The sports arena will have 5,200 seats, a training field, and a museum. The arena will be spread over 3 levels, with 2 stands including one retractable. The playing field will be located in the basement.

Client:
Cantù Next
General Contractor:
ATI: Ma.Si – Cobet – Pichler Stahlbau
Designer:
MMAPROJECTS

B.Cube Role:

Project & Construction Management, Coordination of Construction Design and Project Control & Planning, Baseline Creation and Monitoring.



Borgospesso 15 – Milan

Borgospesso 15 is a historic building in the heart of Milan's Fashion Quadrilateral, undergoing a revitalization project aimed at offering an innovative solution for the "home away from home" trend. With an area of approximately 5,000 square meters, the building will be renovated to high standards of energy efficiency and sustainability, creating over 70 serviced apartments for short stays. It will offer amenities such as coworking spaces, retail outlets, workout areas, an elegant internal courtyard, and a panoramic rooftop. The apartments will feature a modern and comfortable design, with ample communal spaces for guest well-being.

Client:
HINES
General Contractor:
GBR
Project Management:
COLLIERS
Designer
Asti Architetti

B.Cube Role:

Project&Construction Management, Project Control&Planning. Creazione Baseline e Monitoraggio & Progettazione Costruttiva





Moncler

The new structure will be built as part of the Symbiosis business district by Covivio, an urban redevelopment project in the area between Porta Romana, specifically the Scalo, and Vigentino (south of Milan). It will bring together, in a single space of approximately 38,000 square meters, the corporate population of Milan of the Moncler fashion brand, which is currently spread across three different locations. The chimney, a symbol of the area's industrial past, has recently been restored and will be put back into operation in an eco-friendly manner to regulate the building's thermal conditions by introducing outside air into a bioclimatic greenhou se that surrounds the entire perimeter of the building. The adjacent cistern will be converted into a rainwater reservoir for irrigating the internal garden.

Client:
MONCLER; COLOMBO COSTRUZIONI S.P.A.
Designer
Antonio Citterio Patricia Viel.

B.Cube Role:

Executive and Construction Design of Architectural Works, Interdisciplinary Coordination of Installations, B.I.M. (Building Information Modeling), and Document Control.

Progettato in BIM



Via Bassi - Milan

Six buildings from the 1970s, previously used as offices by various entities, including the Revenue Agency and Generali, will undergo a complete renovation. The redevelopment will focus on the roof and façades, with an internal redistribution to create a modern open-space office environment. The underground floors will maintain their current uses, while the ground floor will house lobbies, offices, and the control room. The connection between the buildings will be achieved through the new Tower 3 and Tower 4 in reinforced concrete, featuring nine above-ground floors and one underground floor, characterized by vertical structures composed solely of columns.

Client:
Generali Real Estate S.p.A in nome e per conto del Fondo Tiepolo
Designer:
Obr e Jacobs Italia
General Contractor:
Carron S.p.A.

B.Cube Role:

Architectural and Structural Design



Olympic Village - Milan 2026

The Olympic Village will host approximately 1,400 Olympic and Paralympic athletes, subsequently converted into student housing, and 10,000 square meters of services related to the Olympic event, which will later be transformed into private services of public or general interest. In the first phase, open spaces will be used for the event, with the welcoming square and access to services. The common spaces will house functions serving the sports population: cafeteria, polyclinic, relaxation area, communication center, and delegation reception center.

Client:
COIMA
General Contractor:
Olympias: Ati: Cev. Spa, Impresa Costruzioni Grassi E Crespi S.r.l., Milani Spa
Designer:
Skidmore, Owings & Merrill – SOM

B.Cube Role:

Executive and Construction Design of Structural Works, Planning, Estimation of Works, Project Control, Construction Supervision of Structures



Ampliamento Manifattura Bulgari

Il progetto per conto di Bulgari Gioielli S.p.A. prevede l'ampliamento del sito produttivo esistente con sede nel comune di Valenza, in un'area denominata Cascina dell'Orefice, al confine con il comune di Pecetto di Valenza con la realizzazione di una nuova manifattura destinata ad uffici e produzione (edificio NM) un nuovo corpo di collegamento con ponte aereo tra la manifattura nuova e quella esistente (edificio CB) ed edifici destinati ad impinati tecnoclogici (edifici EH e NMT).

Client:
Bulgari Gioielli S.p.a
Designer
Politecnica
General Contractor
Carron S.p.A.

B.Cube Role:

Progettazione Architectnica e coordinamento delle discipline + modellazione BIM

Progettato in BIM



Symbiosis – SNAM HQ

The project that will rise between Condino Street and Vezza d'Oglio Street, within the Symbiosis neighborhood near the former Porta Romana railway station in Milan, will have a total area of approximately 19,000 square meters and will feature three stacked volumes arranged over 14 floors. Significant emphasis will be placed on the common areas for community and sharing, where the green project holds great importance.

Client:
COVIVIO – SNAM
Designer:
Piuarch S.r.l.

B.Cube Role:

Planning di baseline in P6 e pianificazione di dettaglio in MS Project su incarico da General Contractor, aggiornamento del programma.



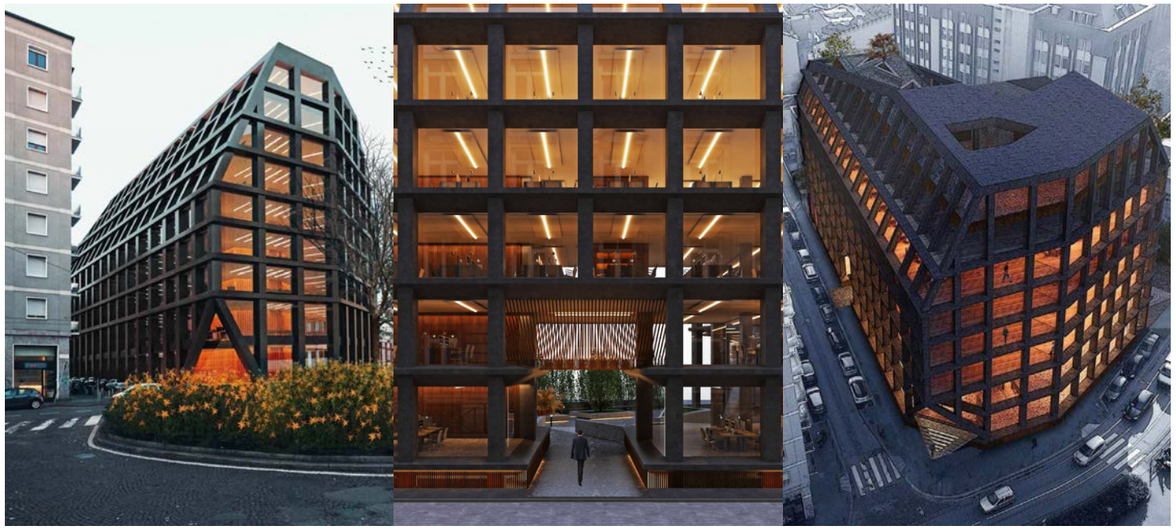
WEST GATE, MIND District

The West Gate area corresponds to the western gateway of the entire MIND (Milano Innovation District) site. The development of the West Gate area aims to adhere to the core values and vision of MIND: bringing together educational, research, creative, cultural, and commercial activities to create an innovation district that stands out on the European and global stage. This area will include urbanization, main roads, a parking facility, residential spaces, and commercial activities to serve the innovation district.

Client:
LEND LEASE ITALIA SGR
General Contractor
CMB – MILANO
Designer:
MAD Architects Europe

B.Cube Role:

Planning di baseline in P6 e pianificazione di dettaglio in MS Project su incarico da General Contractor.



Piazza Fidia

The property undergoing renovation is located in the northern area of Milan at Piazza Fidia No. 1, in the Isola district. The project involves the renovation and expansion of the existing building. From a structural point of view, the majority of the frame structure (beams and columns) is preserved, and a significant portion of the floor slabs is also retained. However, the existing frame is reinforced to meet contemporary static requirements. An important aspect of the project is the façade, which serves as the design matrix.

Client:
Prelios SGR Spa
Designer:
BE. ST Architect

B.Cube Role:

Detailed construction design of structural works, civil works, and systems coordination.

BIM DESIGN



Manzoni 46 Luxury Appartments

The building subject to the interventions is a six-story above-ground structure with a basement level. The building is located in the urban fabric of Milan's historic city center and has two facades facing outward along Via Manzoni and Via della Spiga, as well as a small internal courtyard. The basement level will primarily be used for technical rooms, except for the fitness area in the northern part. On the ground floor, there will be commercial spaces that will also extend to the mezzanine level, as well as the reception and lounge areas of the accommodation facility. The upper floors will undergo a redistribution of spaces aimed at creating 13 luxury apartments.

Client:
Generali RE
Designer:
BMS Progetti srl

B.Cube Role:

Detailed construction design of structural works, civil works, and coordination of building systems.



Novoli Firenze

Completion of the Fiat Novoli Area in Florence for the construction of a new office building. The new building consists of two parallel structures (Building A and Building B) facing Via della Toscana and Via del Tribunale, connected by a central linking structure that houses the main entrance to the building on the ground floor. Between the two structures, towards Via della Pesa, there is an internal courtyard dedicated to parking, belonging to the lot. Each of the two structures features an internal courtyard within its depth. The building comprises a basement floor for parking, a ground floor with the main entrance, a company cafeteria serving 700 meals in two shifts, an auditorium with 248 seats, and five above-ground floors.

Client:
Sviluppo HQ Tiburtina srl - Roma
Designer:
Mantero Associati - Progetto CMR

B.Cube Role:

Detailed construction design of structural works, civil works, and coordination of systems. Project control and planning.



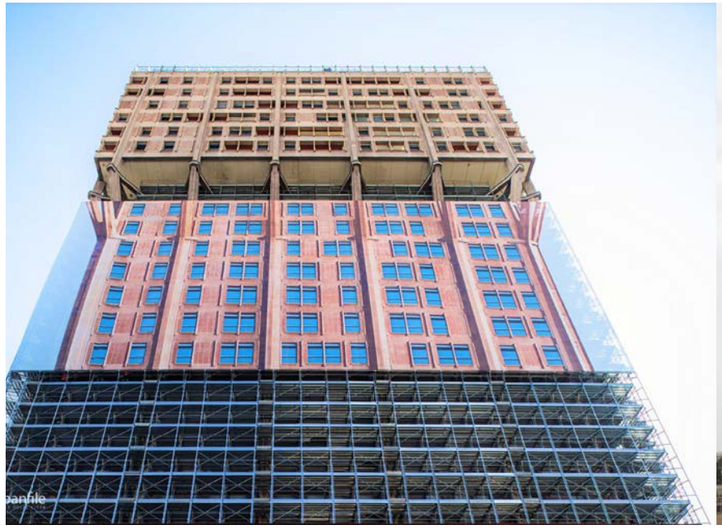
Deruta 19

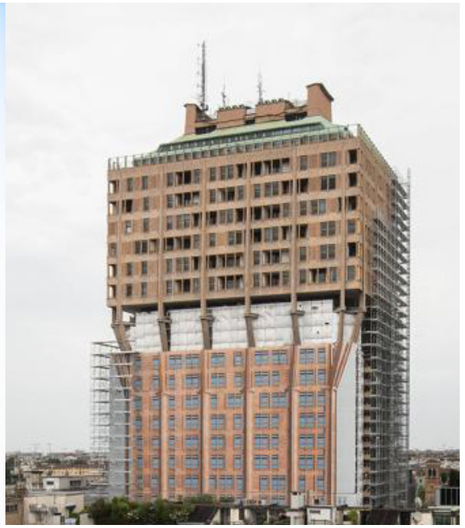
Redevelopment project of an office complex located in Milan between Via Monfalcone and Via Privata Deruta, near Piazza Udine metro station. The complex consists of two buildings. Building A features a ground floor entrance hall, 5 office floors, and a sixth floor dedicated to a meeting room. Building B includes a ground floor entrance/office hall, a cafeteria on the first floor, 5 office floors, and a seventh floor with meeting rooms

Client:
Invesco Real Estate Management S.a.r.l.
Designer:
Coima Immage

B.Cube Role:

Integrated final and executive design, General Works Management and specialized Works Management, Health and Safety Coordination, Safety Coordinator during the Design Phase, Safety Coordinator during the Execution Phase, LEED, BREEAM, WIRESCORED





Torre Velasca

The Torre Velasca building, located at Piazza Velasca No. 5 in Milan, will undergo a complete renovation of its systems and structure. The following activities will be included within the building: Offices, Commercial Units, Residences, Restaurant, and Parking Garage. This historic building consists of 27 above-ground levels and 2 basement levels, and the activities will be distributed as follows:

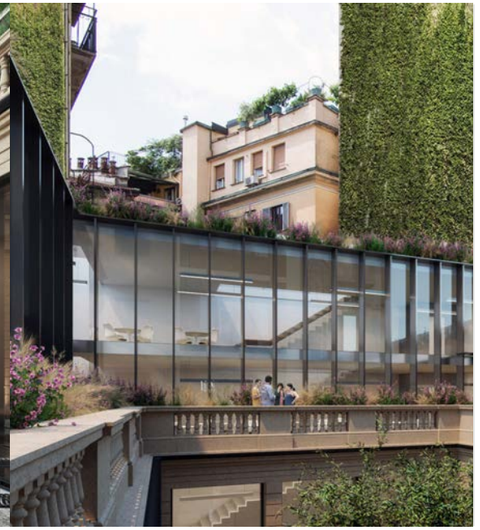
- 2nd Basement Level: Technical rooms, Parking garage
- 1st Basement Level: Technical rooms, Storage, Commercial unit, Parking garage
- Ground Floor: Condominium lobby, Shops, Commercial activity halls
- 1st Floor: Common areas, Restaurant
- 2nd to 17th Floor: Offices
- 18th Floor: Technical rooms and commercial area
- 19th to 26th Floor: Residences
- 27th Floor: Technical rooms

Client:
Prelios SGR S.p.a.
Designer:
Asti Architetti

B.Cube Role:

Detailed construction design of structural works, civil works, and coordination of systems





Foro Buonaparte 60

The project concerns the redevelopment and expansion of a real estate complex located at Via Foro Buonaparte, 60 in Milan. The building will have a mixed-use for offices and catering. The street-facing side on Via Foro Buonaparte will have 5 above-ground floors, while the portion of the building facing only the internal courtyard will have 3 above-ground floors. Except for the ground floor, which will be dedicated to catering, all the other above-ground floors will be used for offices.

Client:
VIMIMAR S.r.l.
Designer:
Asti Architetti

B.Cube Role:

Detailed construction design of structural works, civil works, and coordination of systems



Fulvio Testi 223

The project involves the renovation of a building intended for tertiary functions, located in Milan. The project area is situated at Viale Fulvio Testi 223 in Milan, enhancing the structure of the former Pirelli Institute, built in the 1950s. The structure consists of two parts: one originally designed as classrooms and later transformed for office use, and another section originally intended for practical training, characterized by a sequence of bays with approximately 8-meter spacing and variable lengths ranging from 15 to 30 meters, with an average height of 7 meters. The renovation intervention entails partial demolition and reconstruction of a portion of the existing building while preserving the existing volume, as previously indicated. The intended use is for office purposes

Client:
Kryalos SGR
Designer:
Architectural Research Worshop

B.Cube Role:

Detailed construction design of structural works, civil works, and coordination of systems installation



Sarca 336

The project involves the construction of a new office building consisting of two basement floors for parking, a ground floor for commercial/office use, and four above-ground floors for office use, with a total area of approximately 7200 sqm. The proposed design fully occupies the land area of the lot, creating a new building aligned with the adjacent buildings along Viali Sarca and the opposite side, maintaining two similar facades. The volume of the building tapers, creating a front entrance from the north side towards the city and creating an open space on the same side on the top floor to accommodate a shared terrace with a south-facing view of the city skyline. The facades are composed of a combination of opaque and transparent elements, following the rhythm and color range of the neighboring buildings and featuring prefabricated elements made of GRFC (Glass Reinforced Fiber Concrete).

Client:
Savills IM SGR S.p.A.
Designer:
PARK associati

B.Cube Role:

Construction design in detail for structural works, civil works, and coordination of systems installations.



Via Santa Sofia

The intervention concerns the conversion of a building originally used as an office space into a hotel structure. The objective of the renovation project was to enhance the existing building while preserving its aesthetic and architectural features and its original identity. The regeneration project gives rise to a hotel designed to accommodate an international, sophisticated, and demanding clientele, both leisure and business travelers. The hotel comprises 160 rooms, including 43 junior suites and 11 suites, as well as a refined Gastronomy Restaurant, a Roof-Bar offering a wonderful view of Milan, and a wellness terrace.

Client:
Allianz S.p.a
Designer:
ONEWORKS s.p.a.
B.Cube Role:
Detailed construction design of structural works, civil works, and coordination of systems engineering.

BIM DESIGN



Orefici/Cantu'

Structural adaptation works and commercial surface setup in the property located at Via Orefici 33 in Milan.

Client:
Vf Italy
Designer:
Barreca & Lavarra
B.Cube Role:
Structural design and overall construction management.



Via Villoresi 13

Villoresi is a synthesis of the needs of contemporary living: from services to greenery used as an architectural theme. A new intervention to rethink the city, even in its peripheral areas. Specifically, the office building, built in the 70s/80s, has undergone complete demolition since last April (2022). The planned property will consist of three underground floors and six above-ground floors, with apartments distributed across two staircases with main entrances from the raised ground floor. On the raised ground floor, the reception, lobby, and amenity spaces serving the entire complex are planned.

Client:
ANTIRION SGR; COLLIERS GLOBAL INVESTOR; SERCOS;
Designer:
Daniele Fiori – DFA Partners)

B.Cube Role:

Structural and Architectural Construction Design;
QS & Cost Analysis.



Via Trivulzio

Great renovation for the complex consisting of four distinct buildings, three from the early 20th century and one from 1980, located in the block between Trivulzio and Parmigianino streets in the Maddalena area, just a few meters from Piazza De Angeli. It is, in fact, the pair formed by the buildings in a simple Art Nouveau style at Via Parmigianino 13 and 15, the palace, also in a simple Art Nouveau style, at Via Antonio Tolomeo Trivulzio 8, and the modern building designed by Architect Mario Cattozzo in 1980.

Client:
ANTIRION SGR; COLLIERS GLOBAL INVESTOR; SERCOS;
Designer:
Beretta Associati e SCE Projects S.r.l.

B.Cube Role:

Structural and Architectural Construction Design;
QS & Cost Analysis.



Data center Microsoft

Microsoft, the company founded by Bill Gates, has created a space for its servers in Caleppio di Settala. The area is located between the slot machine room on Via Di Vittorio and the commercial area where Che48! is located.

Client::
Mercury Engineering
Designer:
Mercury Engineering

B.Cube Role::

Structural design and construction of secondary structures



Lissone Palazzo del Mobile

The future of the historic building overlooking Valassina, once a symbol of the city's furniture tradition, is about to undergo a transformation thanks to the investment by the company owned by entrepreneur Sergio Longoni, president of DF Sport Specialist SPA, who has turned his passion for sports into a global brand. The store will be spread over three levels with 3,500 square meters of retail space, in addition to spacious underground and surface parking areas.

Client::
Silco Immobiliare
Designer:
Polistudio

B.Cube Role::

Project and Construction Management and Project Control and executive/construction architectural design



Italian and German Elementary School in San Giacomo di Laives (BZ).

The school complex will host a total of 5 sections with all the necessary ancillary classrooms. Children belonging to the two linguistic groups will have the impression of attending the same elementary school and not two separate institutions. The project, in fact, brings together two Italian and German schools, each with its own autonomy and different educational concepts, under the same roof, also in a symbolic sense. Additionally, there will be a microstructure, a library, and a school cafeteria with a dining room and kitchen.

Client:
Lovisotto S.r.l.
Designer:

B.Cube Role :
Structural Executive design



Il teatro del carcere di Volterra

The project is part of a broader initiative for human regeneration that emphasizes increasing investment in rehabilitation within prisons and the rediscovery of lost balances. It is promoted by the Ministry of Infrastructure and Sustainable Mobility and stems from the need to create a suitable space within the Volterra prison for the development of educational and professional theatrical activities for inmates. Specifically, it involves the construction of a 400-square-meter pavilion with a capacity of 250 seats. Thanks to the modularity of its structure, it will ensure flexibility in the use of spaces. Inside, various theatrical activities, including professional ones applicable in the job market, can take place.

Client:
Ministro delle Infrastrutture
Designer:
Mario Cucinella Architects

B.Cube Role :
Preliminary Structural Design



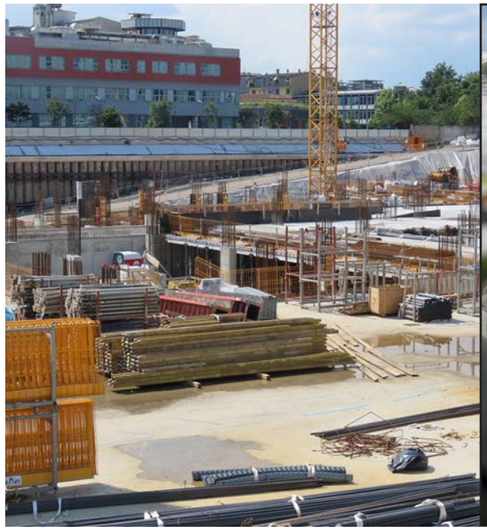


Torino Via Cavour

The idea of the Turin Design Studio includes not only the complete restoration of the historic building (maintaining its aesthetic appearance) but also an increase in volume in the internal courtyard along Via Doria. This will bring the premises to a total area of almost 8,000 square meters. The new structures, designed by the B.Cube Engineering Company, will be constructed using metal carpentry and will be clad to create a new facade with a distinctive sense of movement. A new axis of connection between Via Doria and Via Cavour will be established, hosting all the facilities necessary for the 1,550 students who will be part of it.

Cliente:
BANCA NAZIONALE DEL LAVORO (BLN)
Designer:
Artelia Italia (Roma)
Design and Artistic Direction:
TRA – Toussaint Robiglio Architetti (Torino)
B.Cube Role:

Executive Structural and Architectural Design, Project & Construction Management, Planning.





Moncler

The new structure will be built as part of the Symbiosis business district by Covivio, an urban redevelopment project in the area between Porta Romana, specifically the Scalo and Vigentino (south of Milan). It will bring together the corporate population of the Moncler fashion brand in a single space of about 38 thousand square meters, currently located in three different offices. The chimney, a symbol of the old industrial area, has recently been renovated and will be environmentally activated to mitigate the thermal conditions of the building by introducing external air into a bioclimatic greenhouse surrounding the entire perimeter of the building. The adjacent tank will be converted into a rainwater reservoir for irrigating the internal garden.

Client:
MONCLER; COLOMBO COSTRUZIONI S.P.A.
Designer:
Antonio Citterio Patricia Viel.
B.Cube Role:

Executive and Construction Design of Architectural Works, Interdisciplinary Coordination of Systems. B.I.M. and Document Control.

BIM DESIGN



Via Toffetti 121 Milano

Construction of a residential tower building with 12 above-ground floors and 2 basement levels. The project includes 127 apartments, consisting of 71 two-room apartments, 38 three-room apartments, and 18 four-room apartments. Additionally, there are 127 storage rooms, 127 parking spaces, 73 bicycle parking spaces, and 74 motorcycle parking spaces.

Client:
KRYALOS SGR
Designer:
PROGETTO CMR

B.Cube Role

Preliminary, Final, and Executive Design of Structural Works, Site Supervision for Structural Engineering.



Via Brenta Milano

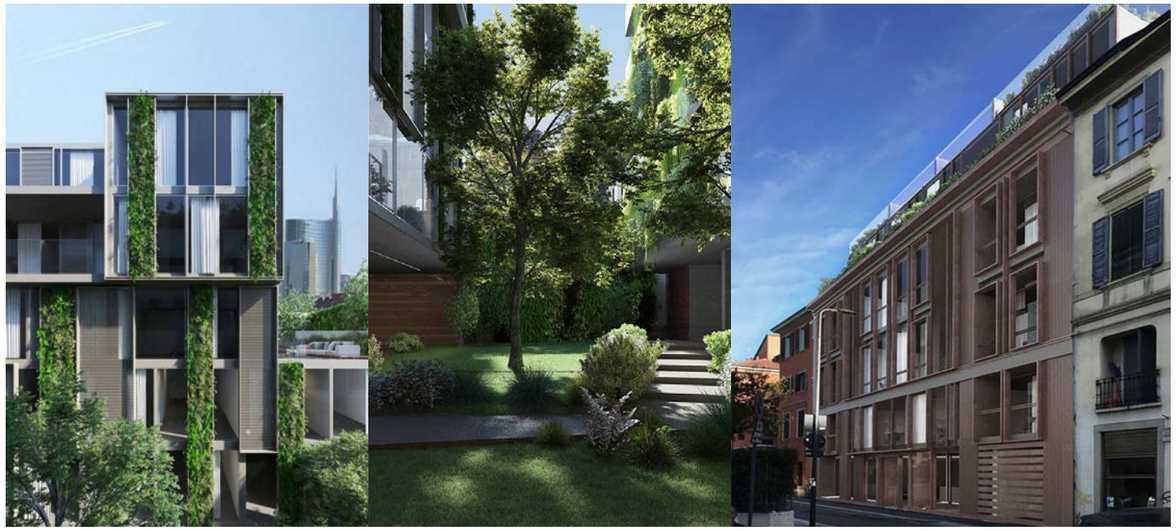
The project involves the construction of a building intended for student accommodation. It includes 721 rooms, comprising 556 singles, 136 singles with a kitchen, and 29 doubles. The building spans 8 above-ground floors and 1 basement floor dedicated to parking. There are provisions for 200 bicycle spaces, 137 parking spaces, 1000 sqm of photovoltaic panels, and a 700 sqm recreation center. The intervention area is located in the southeast of Milan, near the route of Corso Lodi and the Porta Romana railway station. The building is situated in a predominantly residential and mixed-use neighborhood; the majority of the urban fabric consists of consolidated urban blocks.

Client:
KRYALOS SGR
Designer:
Progetto CMR

B.Cube Role

Preliminary, Final, and Executive Structural Design. BIM Structural Design. QS & Cost Analysis.

BIM DESIGN



Fioravanti

The project, promoted by Immobiliare Fenice, has been presented as the 5'S Building, a modern and fairly discreet building that, in our opinion, integrates quite well into the context and is designed by the architect Marco Guido Savorelli - Sa-Architecture. It is a U-shaped building of 5 floors, with the last two set back to maintain the alignment of the roof with the adjacent buildings (both from the 19th century). The facade is in an attractive brown (hoping it remains the same in reality), punctuated by large windows.

Client:
Fenice Immobiliare Generale
Designer:
Dolce Associati

B.Cube Role

Construction Management; Executive and Construction Architectural Design; B.I.M. Design; Planning; QS & Cost Analysis.



Giannone

Operation involving the renovation of a 6-story residential building in the prestigious Borgo degli Ortolani neighborhood near Parco Sempione, Arco della Pace, and Porta Nuova. The project is developed by Fenice Immobiliare Generale.

Client:
Fenice Immobiliare Generale
Designer:
Dolce Associati

B.Cube Role

Construction Management; Progettazione Architectnica Esecutiva e Costruttiva; Progettazione in B.I M.; Planning; QS & Cost Analysis



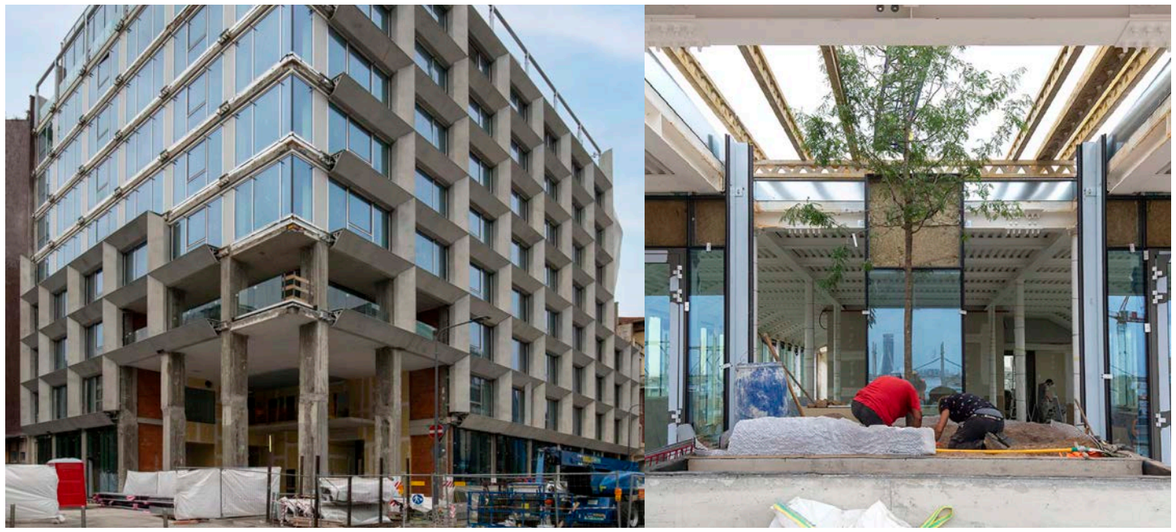
Via Valtellina/Lepontina Milano

The project, named Scalo House, involves the new construction of two residential buildings and the redevelopment of an existing building for a university-affiliated residence, near the former Scalo Farini. The two residential towers, 8 and 13 stories above ground, are located at Via Valtellina 40. Two basement levels are planned for parking, storage, and technical rooms. The student residence overlooks Via Lepontina and consists of seven above-ground floors. The existing volume is retained and raised by one floor. Internal and external study and recreational rooms, a relaxation area, kitchen area, laundry, storage, utility rooms, and communal bathrooms are planned. The restoration of the building allows for the preservation, in terms of composition and materials, of the facade facing Via Lepontina. The intervention, as a whole, integrates well into the context due to its architectural quality and careful design of external arrangements.

Client:
GREEN STONE SICAF SPA
Designer:
BEMaa Bruno Egger Mazzoleni architetti associati

B.Cube Role

Executive design, works computation, construction design, general site supervision, structural site supervision.



Via Roncaglia 12

It is a modern building intended for tertiary use, with the main entrance located at Via Roncaglia 14 and two secondary entrances at Via Romolo Gessi 12 and 10, which will undergo a complete renovation. The building has two basement levels and nine above-ground floors with a variable floor plan, tapering towards the top. The final purpose of the building will be office spaces and a parking garage, including related technical and service rooms.

Client:
Prelios SGR
Designer:
Garretti Associati

B.Cube Role:

Detailed construction design of structural works, civil works, and coordination of systems installation.

BIM DESIGN



City Pop Viale Monza

The intervention involves the renovation and energy redevelopment of the building. The redevelopment project entails a change in the current intended uses from administrative and hospitality to residential. The new intended use requires a comprehensive intervention in the architectural design of the interior spaces and facades, both in terms of language and materials. The project involves the construction of 260 small-sized residential units, including studios and one-bedroom apartments, as well as common service areas for the residents. The commercial front facing Viale Monza will be maintained.

Client:
Artisa Developer Italia
Designer:
Artisa Architektur AG - Lombardini22 S.p.A.

B.Cube Role:

Detailed executive/construction design of structural works, civil works, and coordination of systems installations. General Works and Electrical Specialist Works Supervision



LLAC Living Nature HotelI

Construction of a new tourist accommodation facility. The structure has been entirely built with wood using the Xlam system, including external claddings, floors, and the core. Located in Limone sul Garda, the LLAC Living Nature Hotel features 18 suite rooms with an outdoor pool, bar, and garden. The wellness area includes a spa, sauna, and a small pool with a whirlpool.

Client:
Risatti Cav. Attilio S.r.l
Designer:
B.Cube S.r.l.

B.Cube Role:

Definitive and executive design of structural and architectural works.



Villa Mann

Renovation and expansion works of a private villa in Forte dei Marmi

Client:
Private Client
Designer:
Asti Architetti/Coima Immage
B.Cube Role:

Detailed construction design of structural and civil works



Regina Giovanna

The project involves two main rectangular buildings, one parallel to Viale Regina Giovanna and the other located at the back of the lot. The two buildings are connected by two transverse structures: the first one on three levels, and the second one, parallel to the first, connecting the buildings on two levels. The basement will accommodate offices, the entrance hall, the cafeteria, changing rooms, storage areas, and technical rooms. The separation of the two original units is still maintained in the façade. The façade facing civic number 27 will have a strong architectural character with rigid and monolithic lines. It vertically develops with the upper part plastered and well highlighted by protruding facade pillars, while the base is emphasized by the use of materials strongly associated with Milan, such as Ceppo stone and Verde Alpi marble frames around doors and windows.

Client:
Kryalos SGR
Designer:
GBPA Architecture and Engineering Project Consultants S.r.l.
B.Cube Role:

Detailed construction design of structural works, civil works, and coordination of building systems.





Via Melzi D'eril

This is Victoria Building, a project by Asti Architetti studio, which reimagines, in a modern way, a building from the early 20th century (likely from the 1920s) that housed, among others, "Il Sole 24 Ore" and the headquarters of Cepu. The two-level art-deco base in stone will be preserved, and three additional floors will be added with a modern and captivating structure that integrates perfectly with the rest of the building. Over 7,000 square meters of offices and commercial spaces suitable for both mono and multi-tenant high-density scenarios, including various ancillary spaces, facilities, and common areas in the inner courtyard. Wood has been prominently used for the construction of the upper floors, resulting in an impressive outcome. The structure has been preserved and enhanced with the use of glass, effectively transforming it into a massive "lantern." The courtyard itself will become an integral part of the project, and the design of the staircase is such that it can be used as the seating of an open-air theater.

Client:
Prelios SGR
Designer:
Asti Architetti

B.Cube Role:

Detailed construction design of structural works, civil works, and coordination of system installations.



Torre Milan

Construction works for a new residential complex following the demolition of the existing buildings, including piling and excavation of the area. The transformation project involves the construction of two residential buildings: one linear building with a height of 3 above-ground floors and a tower building with a height of 24 above-ground floors. The linear building will have a height of 9.25 m, while the tower building will reach a vertical development of 80.25 m. The construction is in traditional reinforced concrete, with a frame structural system and horizontal filling and dividing structures made of both precast concrete and brick, as well as mixed materials.

Client:
Impresa Rusconi
Designer:
Beretta Associati

B.Cube Role:

Execution/constructive detailed design of structural works, civil works, and coordination of systems engineering.

BIM DESIGN



Ireef Broletto 16 - Milan

The proposed design hypothesis includes a comprehensive set of works and targeted interventions aimed at redeveloping the office complex located in Milan, at the corner of Via Broletto and Via Porrone. The complex consists of a building subject to conservation restrictions according to Legislative Decree 42/2004 and a building from the 1960s. The purpose of the intervention is the overall redevelopment of the property in terms of the quality of the external and internal environments, including typological, architectural, distributional, and energy aspects, in order to provide efficient directional spaces at various levels, in compliance with current regulations. The objective is to achieve LEED PLATINUM certification upon completion of the intervention.

Client:
IREEF - Via Broletto PropCo S.r.l.
Designer:
Quattroassociati

B.Cube Role:

Tender Study; Detailed Executive/Construction Design of Structural Works, Civil Works, and Plant Coordination.



Hotel Sheraton

The building in question was newly constructed in the early 1980s, and the hotel activity remained operational for up to 5 years. The interventions planned for the hotel renovation have been differently calibrated based on the final intended use of the spaces, identifying two categories of areas: The Back of House spaces (hereinafter referred to as BOH), consisting of service areas not accessible to guests, for which the project includes the necessary adjustments and minimal interventions for their functionality, and the Front of House spaces (hereinafter referred to as FOH), which are the subject of functional and aesthetic redevelopment.

Client:
International Hotel Investors S.r.l.
Designer:
Caberloncaroppi

B.Cube Role:

Executive/constructive design of detailed structural works, civil works, and plant coordination.



Abitare in Maggiolina

The works involve the construction of a new residential complex at Via della Giustizia 11 in the municipality of Milan. The building project is centered around a green area that architecturally connects the buildings. The structure of the Skytower consists of a central reinforced concrete core that houses elevators and staircases, with reinforced concrete slabs spanning across the floors. The structure of the Gardens consists of three reinforced concrete cores that house elevators and staircases, with the floors constructed around them.

Client:
Abitare In
Designer:
Baec Studio Dontstop S.n.c.

B.Cube Role:

Tendering study with value engineering; Detailed design and execution of structural works, detailed construction design of civil works, and coordination of systems engineering.

BIM DESIGN



Student Residence in Via Giovenale

The contract pertains to the execution of all works, construction, supplies, and services necessary for the construction of a student residence, including service areas, recreational areas, and technological services, in Via Giovenale 15, Milan.

Client:
Savills Investment Management Sgr
Designer:
Carmody Groarke London

B.Cube Role:

Preliminary and final design of provisional and structural works;
Site supervision of provisional and structural works.

BIM DESIGN



Luxottica

The building, intended for office use, will be constructed to replace the recently demolished existing building, which was located within the Luxottica headquarters complex. The expansion of the new headquarters has an irregular quadrilateral floor plan, with approximate dimensions of 23 x 45 meters, and spans six above-ground floors, including the ground floor, as well as two basement levels designated for parking. The basement levels are connected to the existing basement via ramps, measuring 5 x 73 meters, which lead to Via L. Illica. The height of the above-ground building exceeds 21 meters.

Client:
Luxottica Group
Designer:
Park Associati S.r.l.
B.Cube Role:
Tendering Studio; Executive/constructive design of structural works, civil works, and coordination of systems engineering.

BIM DESIGN



Logistica Sogemi

Open tender procedure aimed at identifying the Contractor for the services related to architecture and engineering for the preparation of the technical and economic feasibility project for the construction of a Logistics Platform serving the new Fruit and Vegetable Pavilion.

Client:
So.ge.m.i. S.p.a. Milan
Designer:
Amarchitects
B.Cube Role:
Feasibility study, preliminary design of structural works.



Krialos P.le Loreto

Palazzo di Fuoco is one of the iconic buildings in the city of Milan. Located in Piazzale Loreto and constructed from 1958 to 1961, the design choice aims to requalify and enhance the building, which has been altered over time by functional and formal transformations, by revisiting its defining architectural themes. The project involves adapting the interior of the property to meet the current standards required for workspaces, with the flexibility to accommodate various market demands, both for single tenants and multiple tenants. This design choice maintains Minoletti's original idea of providing permeability to the building with access from both Viale Monza and Via Padova.

Client:
Krialos Sgr
Designer:
Gbpa Architecture and Engineering Project Consultants S.r.l.

B.Cube Role:

Detailed executive/constructive design of structural works, civil works, and coordination of building systems.



Hotel Victoria - Menaggio

The project involves the historic "Hotel Victoria" located on the lakeside of Menaggio (CO). It includes extraordinary maintenance works for the internal renovation of the historic wing, expanding the openings in the attic, constructing a new building for accommodation purposes, creating underground parking, and enhancing the exterior structures.

CLIENT:
Hotel Victoria Menaggio S.r.l.
DESIGNER:
Studio Architettura Franco Pe'

B.Cube Role:

Tendering study; Detailed executive/construction design of structural works, civil works, and coordination of systems installations.



Alserio 10 - Milan

Melchiorre Bega, the architect of the Galfa Tower, designed this office building in via Alserio 10 in 1968, and it was completed in 1970. The triangular plot formed by the intersection with via Cola Montano forced the architect to find an original solution to create the new office complex. It is a seven-story tall building, narrow and slightly curved, with rounded short sides where the staircases are located. In the center, there is a lower and terraced structure housing meeting rooms, storage areas, and the parking garage. The building has been unused since 2015, and now it is finally time for a drastic change in its purpose, transitioning from tertiary use to residential.

Client:
Savills Investment Management Sgr
Designer:
Asti Architetti
B.Cube Role:

Executive/constructive design of detailed structural works, civil works, and coordination of systems.

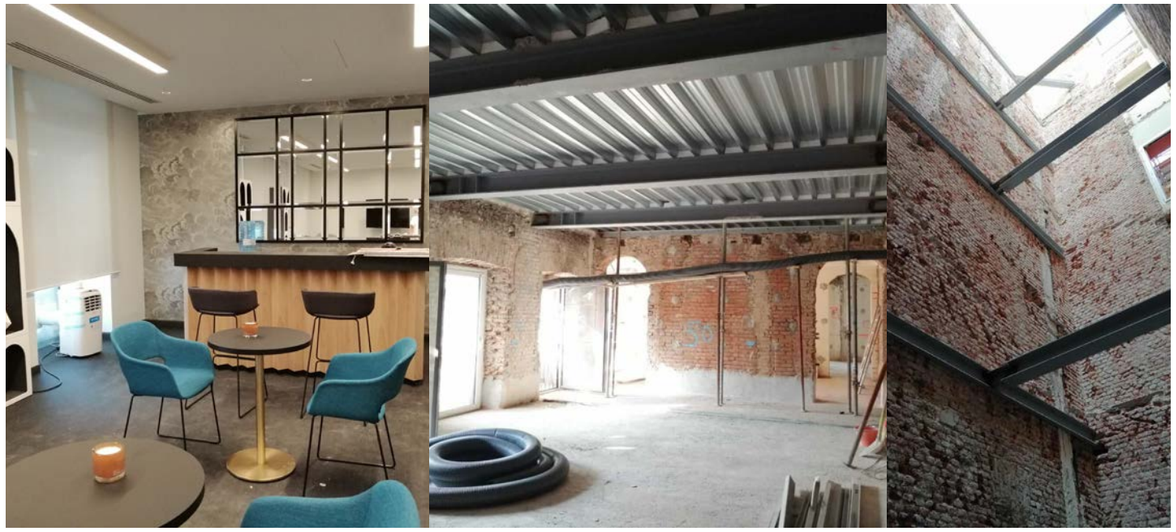


Borgo Bramante

The contract includes the execution of all works, supplies, and services necessary for the construction of the residential complex located at Via Bramante No. 5 in Milan. The complex, which was built in the second half of the nineteenth century and now requires structural and architectural redevelopment, consists of six buildings, five of which are exclusively for residential use and one for mixed residential and commercial use. The project also includes the construction of a basement level, partly used as cellars, partly as a parking area, and technical rooms.

Client:
Borgo del Bramante S.r.l.
DESIGNER:
AMDL - Architect Michele De Lucchi S.r.l.
B.Cube Role:

The executive/constructive design includes detailed planning of structural works, civil works, and coordination of systems installations.

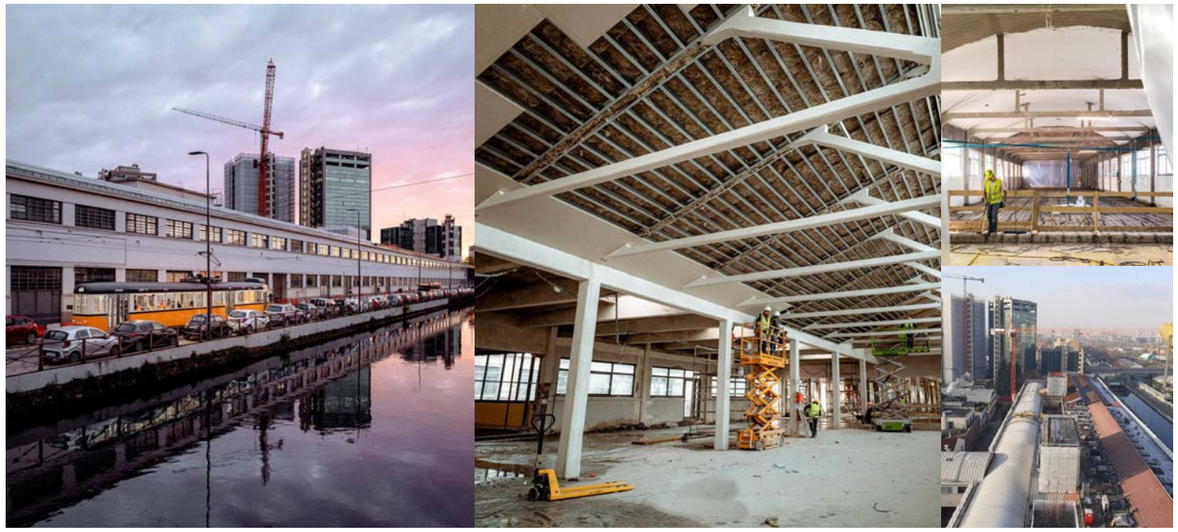


Via Dante 7 - Milan

The intervention project involves the construction of spaces intended for future commercial use, specifically on the first floor, ground floor, and basement level. The project includes the creation of commercial spaces within the framework of restoration and conservative renovation, with the implementation of a distribution structure incorporating stairs and elevators within the existing courtyard. Additionally, the construction site encompasses predominantly system-related and maintenance interventions on the building's roof and shafts.

Client:
Bvk Highstreet Retail Via Dante S.r.l.
Designer:
Garretti Associati
B.Cube Role:

Tender study; Detailed executive/construction design of structural works, civil works, and coordination of systems.



WPP Italia - Milan

Conservative renovation intervention of the property located at Via Morimondo 26 in Milan, in the former Richard Ginori area, known as BUILDING 18, which will house the new office headquarters of WPP Italy.

Client:
Wpp Recs Milan
Designer:
967 Architetti Associati
B.Cube Role:

Tender study; Detailed executive/construction design of structural works, civil works, and coordination of systems.

BIM DESIGN



Viale Umbria - Milan

Building renovation and new construction project at Viale Umbria No. 128-130 in Milan:
The existing building in Lot 1 will undergo renovation, creating a new network of complementary pillars to strengthen the load-bearing structure and allow for modifications to the openings of the perimeter walls, adapting the original facade to the project design. This will ensure compliance with regulatory requirements for energy efficiency and structural safety. The building planned for Lot 2 will be newly constructed and will adopt the aesthetic characteristics of the renovated building to ensure a cohesive visual design along Viale Umbria.

Client:
Immobiliare G. & B. S.r.l.
Designer:
Studio Di Architettura Ugati
B.Cube Role:
Tender bid study; Detailed executive design of structural works.



TSH The Student Hotel - Firenze

Tender for the construction of a fully finished and functional underground structure - the first phase of the development of the new complex "The Student Hotel Belfiore," located in Viale Belfiore, Florence.

Client:
Tsh Florence Belfiore Propco S.r.l.
Designer:
Open Project
B.Cube Role:
Detailed executive/construction design of structural works.

BIM DESIGN



Krialos Via Verziere - Milan

The building is located within the block bounded by via Cavallotti, Largo Augusto, via Verziere, and Largo Bersaglieri. The buildings, in their final configuration, will be primarily used as office spaces for all above-ground floors. The underground floors will be fully dedicated to non-habitable technical spaces. Part of the roof on the tenth floor will also be used for technical purposes, housing groups of photovoltaic panels. Additionally, the roof of the existing building within the block, on the second floor, will be restored and transformed into a private square connecting the two main structures facing via Cavallotti and Via Verziere.

Client:
Kryalos Sgr Spa
Designer:
Asti Architetti
B.Cube Role:

Executive/constructive detailed design of structural works, civil works, and coordination of systems installation.



Riqualificazione Sede Gruppo Allianz - Trieste

Works of requalification and renovation of the headquarters of the Allianz Group, owned by the Client, located at Largo Ugo Irneri, 1 in Trieste. The buildings subject to the works are:
• A central building called "Building H," used for offices, consisting of seven floors in the central body and six floors in the four perimeter wings, plus a basement floor used for parking ("Building H").
• A small building called "Building A," adjacent to Building H, used for offices and ancillary activities, consisting of five floors and a basement floor.

Client:
Gruppo Allianz
Designer:
Lombardini 22
B.Cube Role:

Executive/constructive detailed design of structural works, civil works, and coordination of systems installation.



Palazzo Ex Ras - Trieste

The restoration and conservative renovation intervention in question involve a series of works aimed at repurposing the building known as "Palazzo ex Ras" located in Trieste, for partial transformation into a hotel.

Client:
Gruppo Allianz
Designer:
Caberlon Caroppi

B.Cube Role:

Executive/constructive detailed design of structural works, civil works, and coordination of systems installation.



Riqualificazione di edificio in Piazza Cordusio 2a Milan

The planned works concern the real estate unit located at Via Cordusio 2 in Milan, owned by BVK HIGH STREET RETAIL CORDUSIO S.p.A. The building consists of 7 above-ground floors and one basement floor. The property has already undergone previous strip-out and environmental reclamation works and is currently in a "rough" state.

Client:
BVK Highstreet Retail Cordusio S.p.a.
Designer:
Park Associati S.r.l.

B.Cube Role:

Executive/constructive detailed design of structural works, civil works, and coordination of systems installation.



Via Dante 16 - Milan

The works involve the restoration and conservative renovation of the property located at Via Dante 16 in Milan, owned by BVK HIGHSTREET RETAIL VIA DANTE S.r.l.

Client:
BVK Highstreet Retail via Dante S.r.l.
Designer:
Garretti Associati
B.Cube Role:

Tender study; Detailed executive/constructive design of structural works, civil works, and plant coordination.



“SMART CITY LAB” Business Incubator Milan

New construction, designed to meet the needs of establishing a user-oriented business incubator called “Smart City Lab,” aimed at supporting entrepreneurial projects inspired by the concept of a smart city and its various aspects, including economy, governance, energy and environmental sustainability, mobility, quality of life, and human capital.

Client:
Invitalia
Designer:
Mate Engineering
B.Cube Role:

Preliminary, definitive, and executive structural design.
Structural works supervision.

BIM DESIGN



Building redevelopment Via Orefici - Milan

The project in question is a renovation of a building in the center of Milan, located at the corner of Via Orefici and Via Cantù. The building consists of two sections, named OREFICI and CANTU'. The two sections are connected by an arch with a terrace that overlooks the central pedestrian passage and by a covered pedestrian bridge. Both buildings have a classic load-bearing masonry structure, mostly made of bricks. The arrangement of structural elements is irregular, both in terms of dimensions and alignments. The buildings have 2 basement levels. The first basement, the ground floor, and the first floor will be occupied by commercial activities. The remaining floors (4 floors for CANTU' and 5 for OREFICI) will be used for office space.

Client:
HINES ITALIA
Designer:
Studio Barreca &Lavarra

B.Cube Role:

Development of final structural design, detailed structural design, and overall construction supervision.



Aree Schievano Milan

Construction of a complex of buildings for tertiary/office use within the project called "Aree Schievano" located in Milan.

Client:
Covivio
Designer:
Progetto Cmr

B.Cube Role:

Development of preliminary, final, and executive design for structural works, as well as site supervision for the structural works.

BIM DESIGN



New Bocconi University Campus - Former Centrale Del Latte - 1st Phase

The overall intervention involves the construction of a university campus consisting of academic areas with a library and laboratories, sports facilities, commercial services, and a total of 300 accommodation units. Specifically, 105 apartments will be built. The project includes the construction of an ellipsoidal building with differentiated radii for each quarter of its shape along the major axes.

Client:
Università Luigi Bocconi
Designer:
Kazuyo Sejma + Ryue Nishizawa/Sanaa

B.Cube Role:

Tender bidding study; Detailed executive/construction design of structural works, civil works, and plant coordination.



Building at Via San Marco, 21 - Milan

The main works involve structural interventions, including the construction of an entrance portal on Via S. Marco with the demolition and reconstruction of adjacent floor areas, the lowering of the floor slab on the corner of Via Moscova and Via S. Marco, the construction of a new metal staircase in Building 1, and the creation of a new mezzanine for systems and new offices on the rooftop of Building 7.

Client:
Krialos Sgr
Designer:
Axistudio

B.Cube Role:

Tender bidding study; Detailed executive/construction design of structural works, civil works, and plant coordination.



Renovation of the building at Via Carducci, 14 - Milan

The building subject to the intervention is located at via Carducci, No. 14. It is a 6-story building above ground with 1 basement level, constructed in 1924, and underwent subsequent renovation and expansion towards the end of the 1940s. The load-bearing structure consists of masonry for the vertical load-bearing elements. The floors are partially made of reinforced concrete and partially made of composite materials such as lateral-cement. Additionally, there is an accessible attic space that is not suitable for habitation, with a wooden roof structure and tiled roofing.
The proposed intervention project involves a nearly complete change of use from offices to residential, with the exception of the ground floor, which will remain designated for office/commercial use.

Client:
Bnp Paribas Reim Sgr
Designer:
Il Prisma
B.Cube Role:
Development of the final and executive design of the structural works. Site supervision of the structural works.



Former Post Office Building in Piazza Cordusio, 3 - Milan

The building was the headquarters of the Post and Telecommunications (former Stock Exchange) and the original project, dated 1899-1901, was designed by architect Luigi Broggi. The building located at the corner of Via Cordusio and Via Orefici consists of two basement floors and seven above-ground floors, while the one situated at the corner of Via Cordusio and Via Armorari has one basement floor and seven above-ground levels. The exterior aesthetic appearance will be improved through maintenance and restoration works of the original finishes and materials, as well as visual mitigation measures and partial relocation of existing installations and channels.

Client:
Krialos
Designer:
Asti Architetti
B.Cube Role:
Development of the structural and architectural construction design, including coordination with specialized design activities of system installers and window/door manufacturers.



New Headquarters of L. Bocconi University - Milan.

The main features are the structural solutions employed, which include prestressed reinforced concrete beams with a single span of 24.0 m, to which 6 floors above ground were suspended using a system of steel ties and post-tensioned cables. Of particular importance are the Aula Magna and the buildings along Via Roentgen, both characterized by daring structural solutions.

Client:
Universita' L. Bocconi
Designer:
Grafton (Irlanda) Architects

B.Cube Role:

Analysis of structural and architectural projects - Graphic and design development of post-tensioned reinforced concrete slabs, Steel structures, Reinforcements, and overall process optimization regarding the execution of all works, including temporary and ancillary works. Development of architectural construction nodes related to windows, drywalls, suspended ceilings, flooring, facade claddings, and stone ceiling coverings.



Renovation of Palazzo Aporti - Milan

The project, developed by A. Citterio & Partners studio, is part of a broader range of interventions aimed at revitalizing and eliminating the significant urban and social degradation in the area of Milan Central Station. The intervention involves a major renovation of a building consisting of 3 existing office blocks with 6 floors. The structural intervention was highly invasive and required a complete emptying of the buildings while preserving the perimeter walls(protected by a monument protection constraint), followed by the reconstruction of a large portion of the internal structures. Foundations, steel and reinforced concrete slabs, and new concrete staircases were incorporated in a delicate controlled demolition operation.

Client:
Hines Italia S.r.l.
Designer:
Citterio & Partners

B.Cube Role:

Provisional works design, structural works construction design, project coordination with suppliers/ subcontractors and Construction Site Management, construction design of all Architectural works.



New Hospital S.Anna Como

The new hospital complex in Como, located in the municipality of San Fermo della Battaglia, has a total volume of 600,000 m3 on an area of 170,000 m2. The "white tank" system used in the foundation serves as the waterproofing system for the complex. The progress of structural construction activities has been 10,000 m2 per month. The architecture, characterized by its simplicity, required a significant effort in optimizing the management of flows and activity routes to improve its operational efficiency.

Client:
Infrastrutture Lombarde
Designer:
Bortolazzi Consulting
B.Cube Role:

Coordination of the project at all levels, including systems, structural, and architectural aspects; coordination with subcontractors and suppliers of goods and services; coordination with the hospital administration; management of relationships with the Construction Management.



Metrocomplex Complex (Former IBM Area), Milan

The intervention involved both the renovation of existing buildings previously used by IBM and the construction of two new multi-story buildings with an underground parking lot. The client and owner of the building complex is FMP Properties, a foreign company with real estate developments in Italy. The preliminary design was carried out by Studio Bertonazzi, but in the executive phase, it was completely revised and directed by Architect Scott Sivan on behalf of FMP Properties.

Client:
FMP Property
Designer:
Studio Bertonazzi
B.Cube Role:

Complete structural design, design of necessary provisional works for the recovery phases of existing buildings, executive architectural design, coordination with the plant design (prepared and directed by Engineer Bozino), coordination with suppliers/subcontractors, and submission of technical specifications and Technical Data Sheets for approval by the client.





Luxury Residence at Via Salaino 10, Milan

The project by Studio Citterio & Partner, under the direction of Arch. Patricia Viel, is aimed at a high-end user segment with high-quality finishes and furnishings. The intervention involves the renovation of an existing 4-story industrial building, with an additional 4-story extension. B.Cube has carried out the entire project in compliance with the new NTC2008 regulations. The building follows a traditional construction type with a reinforced concrete frame and lightweight floors using a Plastbau system with precast lattice beams.

Client:
Dolce Vita Homes
Designer:
Citterio & Partners

B.Cube Role:

Complete structural design, design of provisional works required for the recovery phases of the existing building, detailed architectural design, coordination with the MEP (Mechanical, Electrical, Plumbing) design (prepared and directed by Planning Studio, led by engineer Marazzi), coordination with suppliers/subcontractors, and submission of technical sheets and Technical Data Sheets for approval by the client.





Helicopter Rescue Villaguardia - Como

This project complements the construction of the nearby new S. Anna Hospital in Como. One of its distinctive features is the green roof, which was desired by the architect and the client to create a harmonious integration with the surrounding natural environment of the Como Pre-Alps. The structural calculation and graphic design work involve two buildings: a helicopter base for emergency medical services and an operational center for emergency management services (118). These structures have a raft foundation and a prefabricated system consisting of hollow core slabs and pre-stressed inverted T-beams.

Client:
Infrastrutture Lombarde
Designer:
Bortolazzi - Pooleng

B.Cube Role:

The goal was to identify a system that would reduce construction time and improve the structural system, starting from the foundations, which initially required deep foundations. The economic improvement was achieved by treating and reclaiming the soil, allowing for the implementation of a raft foundation. The above-ground structures were replaced with a prefabrication system, further enhancing efficiency and speed of construction.



Residential Complex «Parco Locatelli» Bergamo

The intervention consists of the renovation of an existing industrial building and the construction of 4 new multi-story buildings with 7 floors each, along with 2 extensive underground levels designated for parking with individual spaces. The owner of the building complex is the company "Parco Locatelli S.g.r." The architectural project was developed by the Citterio & P. studio and targets a medium-high-end user base in a location close to the city center of Bergamo. From a structural perspective, the notable feature is the presence of flat slab floors, initially designed to be lightweight and subsequently modified to allow for faster construction.

Client:
Parco Locatelli S.g.r (Gruppo Coima)
Designer:
Citterio & Partners

B.Cube Role:

By conducting a thorough study of the extensive temporary works and the reinforced concrete structures planned, structural modifications were made that allowed for a reduction in construction costs. B.Cube developed the new comprehensive structural design, including graphic documentation and calculation reports, as well as the detailed architectural execution design and coordination with suppliers and subcontractors



Centro Religioso Buddista "Soka Gakkai"

The project, curated by Arch. Peja, preserves the rural stylistic features of the existing buildings while being absolutely innovative in the new place of worship: a building conceived as a lantern on the water. The existing buildings with monumental value dating back to 1580 are consolidated, and a new 750-seat hall is created for religious gatherings. The latter has been redesigned with a different structural scheme using inverted beam foundations and prefabricated above-ground structures. A unique metal carpentry completes the project and is complemented by a golden metal cladding.

Client:
Soka Gakkai
Designer:
Peja Associati

B.Cube Role:

B.Cube carried out the structural design of the building intended for the new place of worship and coordinated the civil works.



Reconstruction of the Court of L'Aquila - 1st Lot

Following the seismic events of 2009, it was necessary to carry out seismic retrofitting of the strategic building and partially reconstruct the last two severely damaged floors. Anti-seismic devices were installed in the existing basement, along with appropriate energy dissipation devices. The last two floors were constructed using REP truss beams provided by Tecnostrutture and semi-precast floor elements. The design was carried out by Studio Calvi, and during the bidding phase, a functional architectural design was prepared, which allowed for obtaining the maximum technical score offered by the tender.

Client:
Ministero Infrastrutture Trasporti
Designer:
Studio Calvi S.r.l.

B.Cube Role:

Development of in-situ construction for structural and architectural projects and coordination of suppliers' design.



Via Feraboli - Milan

The project is designed as a Renovation and Building Expansion intervention without demolition and reconstruction. The existing building volumes will be preserved. The new volumes to be expanded on the east and north sides will have the same finishes and proportions as the existing openings. The facades will be plastered and painted with neutral colors, with more vibrant accents in shades of green. The existing envelope will be upgraded to achieve the same performance as the new construction, and the windows will be replaced with new ones that meet current thermal requirements.

Client:
L'Impronta Associazione Onlus e Via Libera cooperativa sociale Onlus
Designer:
Progettisti Rktts | Architecture And Design Studio

B.Cube Role:

Detailed executive/construction design of structural works, civil works, and coordination of building systems.



Garage Traversi - Milan

The building subject to intervention is located in the center of Milan, at Via Bagutta, no. 2, adjacent to Piazza San Babila. It was built in the late 1930s (1938-1939) according to the design by Architect Giuseppe De Min. It covers a surface area of 4,950 sqm/GFA spread over 8 above-ground floors and 1 basement floor. It is characterized by the absence of ramps, which are replaced by 4 car lifts that allow cars to move to all floors and also park on the rooftop. The proposed project involves the conversion of Garage Traversi into commercial activities and the creation of an additional floor dedicated to catering services.

Client:
Invesco Real Estate
Designer:
Spi - Società Progettazioni Integrali
B.Cube Role:
Landlord Representative.



Fatebenesorelle Swimming Pool - Milan

The intervention is part of a larger area that has already been developed (Zone R 1.8 - CEc1) and includes a sports and recreational field. The intervention area is reduced by approximately 340 sqm to allow for the expansion of the road section, in line with the first section of Via Fatebenesorelle and the guidelines of the Recovery Zone Project R1.8. The building has a longitudinal orientation that serves as the final scenic backdrop to the perspective visible from Via della Moscova. Considering the orientation, the need for energy efficiency, and the opportunity to protect the front facing Via Fatebenesorelle, the building is designed on a grid of 150x150 cm and extends along the diagonal of the pedestrian path. It consists of two adjacent single-story constructions with a flat roof and a noticeable height.

Client:
Invesco Real Estate
Designer:
Alpina Spa
B.Cube Role:
RUP



Via Vittor Pisani - Milan

Building and plant renovation works of the former executive headquarters of Ifitalia, located at Via Vittor Pisani 15 in Milan, aimed at enhancing the building.

Client:
Ifitalia International Factors Italia S.p.a.
Designer:
Efm Spa
B.Cube Role:
Construction management.



Manifattura Tabacchi - Florence

Recovery works of the disused industrial area known as “Ex Manifattura Tabacchi” in Florence.

Client:
Mtdm
Designer:
Vari

B.Cube Role:
Construction management.



Esseluga - Vicenza

Construction of a Commercial Building intended as a Medium-sized Retail Store for food and non-food products along the former SS Padana Superiore in Ponte Alto, Municipality of Vicenza.

Client:
Mercurio S.r.l.
Designer:
Società Italiana di Ingegneria e Servizi Srl
B.Cube Role:

Tendering process management; Project management activities, contract management, planning, and project control.



Esselunga Casale Monferrato

Recovery intervention of an area in the center of Casale Monferrato, including the construction of a prefabricated commercial building with 2 underground floors used for parking, the construction of a multi-storey parking lot, and related urbanization works.

Client:
Impresa Quadrio Gaetano S.p.a.
Designer:
Arch. D. Catrambone
B.Cube Role:

Project management activities, contract management, planning, and management control



Nuova Sede AB Medica

The building is inspired by the hulls of super-fast boats, functional yet representative of the activities it houses: the volume expresses dynamism, and the technologies used demonstrate a great emphasis on energy efficiency and the well-being of workers. The dimensions of speed and dynamism from the nearby highway are translated into an architecture that draws inspiration from the refined and technologically advanced world of super-fast motorboats. The state-of-the-art systems also utilize geothermal energy as a renewable source, with a hybrid system of heat pumps.

Client:
AB Medica
Designer:
Arch. G. Tortato
B.Cube Role:

Project management activities, acting as the works supervisor on behalf of the property owner, planning, and management control.



Col Moschin

Renovation project with the construction of a new residential building at Via Col Moschin, 8a in Milan.

Client:
Stedil S.r.l.
Designer:
Archistudio
B.Cube Role:

Project management activities, contract management, planning, and management control.

Reconstruction of a building in Mirandola (Mo) damaged by the earthquake of 2012
Client: Condominio Aquila - Project: Polistudio S.r.l. - Period: 2015 - Present

Construction of a private villa in Accra, Ghana
Client: Private - Project: Studio 'Dragora - Period: 2015 - Present

Construction of a mechanical workshop for Luxury Car in Accra, Ghana
Client: 4Fk Motorsport - Project: Studio 'Dragora - Period: 2016 - Present

Intervention called Ex Ceramica del Lago - Laveno Mombello
Client: 4Fk Motorsport - Project: Studio 'Dragora - Period: 2015 - Present

Renovation of a building in Piazza Pontida, Bergamo
Client: Impresa Percassi - Project: N.D. - Period: 2016

Mediaset Rti Milan
Client: Mediaset - Project: AXISTUDIO - Period: 2009 - 2012

Construction of the Oman Pavilion - Expo 2015
Client: Montagna Costruzioni - Project: MPA Marco Pestalozza - Period: 2014 - 2015

Construction of the Qatar Pavilion - Expo 2015
Client: Montagna Costruzioni - Project: MPA Marco Pestalozza - Period: 2014 - 2015

Construction of a commercial building for Mondo Brico in Silvano d'Orba
Client: Car. Dis S.r.l. - Project: Arch. D. Catrambone - Period: 2015 - 2016

Construction of a commercial building for Mondo Brico in Casale M.to
Client: Car. Dis S.r.l. - Project: Arch. D. Catrambone - Period: 2011 - 2012

Renovation of a private villa in Siziano
Client: Private - Project: B.Cube S.r.l. - Period: 2014 - 2015







B.Cube
Società di Ingegneria

Via Morimondo, 7
20143 Milan Italy
Tel. 02/83 96 3165

Web: www.bcubeprogettazione.it
E-mail: info@bcubeprogettazione.it
PEC: b.cube@legalmail.it
CF/p.IVA 05765920961