



BURO
MILAN

BUROMILAN.COM

PROFILE

BUROMILAN is an engineering company with over 40 years of experience in the design of civil, commercial, industrial and infrastructural works, public and private.

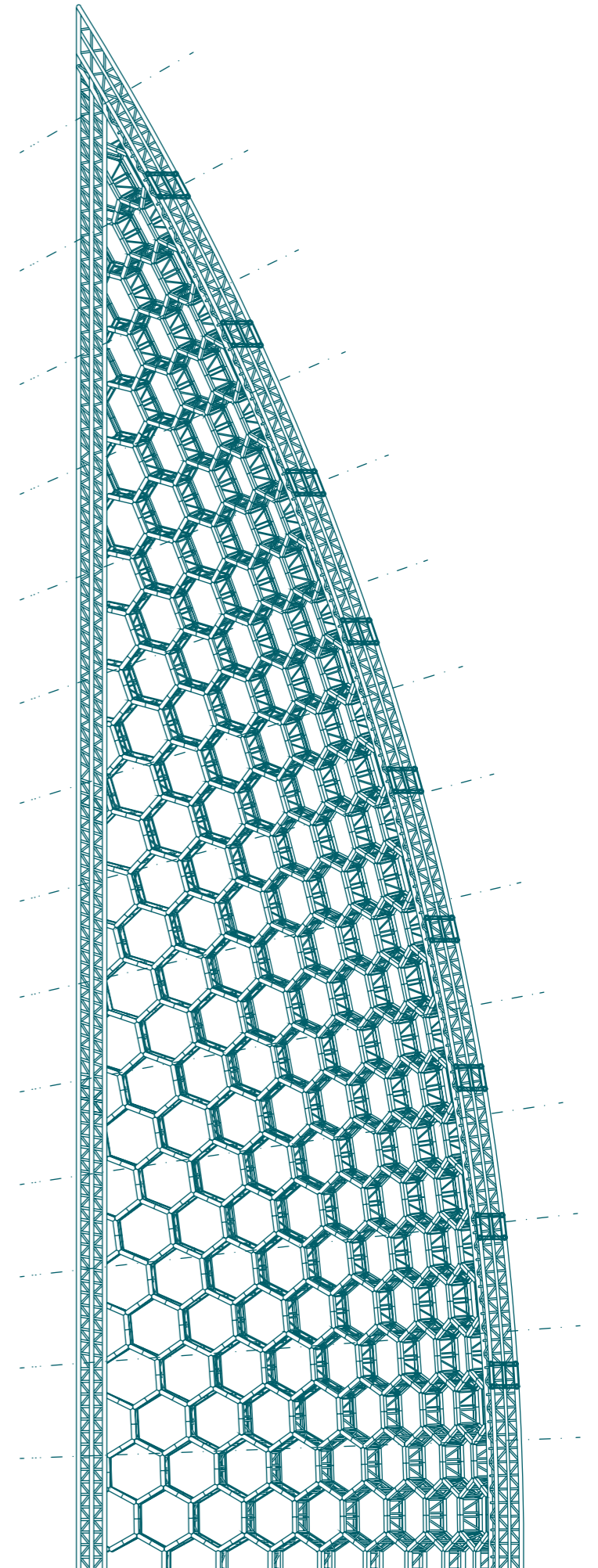
What sets us apart is a multidisciplinary approach, combining skills with curiosity, research, the desire to experiment and create new solutions that serve each project.



Maurizio Milan, founder of BUROMILAN, graduated in Civil Engineering in Padua in 1977. Since then, has been involved in the design, supervision and completion of more than 1,000 complex projects, also using unconventional materials such as pre-stressed stone, structural glass, titanium, glued laminated timber, bamboo, light alloys, terre pisée and composite materials. He was a professor of the Structural Engineering Master's Programme at the Politecnico di Milano until 2008 and, since 2007, he has been teaching Structural Design at the IUAV University in Venice.

Massimiliano Milan graduated in Civil Engineering at the Politecnico di Milano, which is an Italian excellence in engineering education. Today he is CEO of BUROMILAN and responsible for Structural Design. In all his projects he combines technical knowledge with the architectural sensitivity required by the studios with which he collaborates. He shares with Maurizio the attention to technical excellence, experimentation and research.

For Maurizio and Massimiliano Milan, simplification is not a choice, but a necessity and is applied through good knowledge of the subject and consistent technological updating. This allows for coherent responses to all solutions for architecture and engineering, even the most complex ones.



THE TEAM

Our team consists of professionals specialized in multiple disciplines in the field of construction engineering. This allows us to develop each project with expertise, professionalism, seriousness and quality.

We develop new technologies and experiment with even unconventional construction techniques to give substance to every design idea.

We engineer Architecture at all stages, from feasibility to execution.



THE QUALITY MANAGEMENT SYSTEM

All our activities are conducted in accordance with the international quality standards regulated by the UNI ISO 9001:2015, of which BUROMILAN is certified for “Design, project management, works supervision, H&S Coordination for works of: civil, structural, geotechnical, transportation and infrastructural,

hydraulic and maritime, environmental and MEP engineering”. Since 2019, BUROMILAN has been certified by the ICMQ body for its skills in the use of BIM systems. Since 2018, the company has been an Ordinary Member of the Green Building Council Italia.



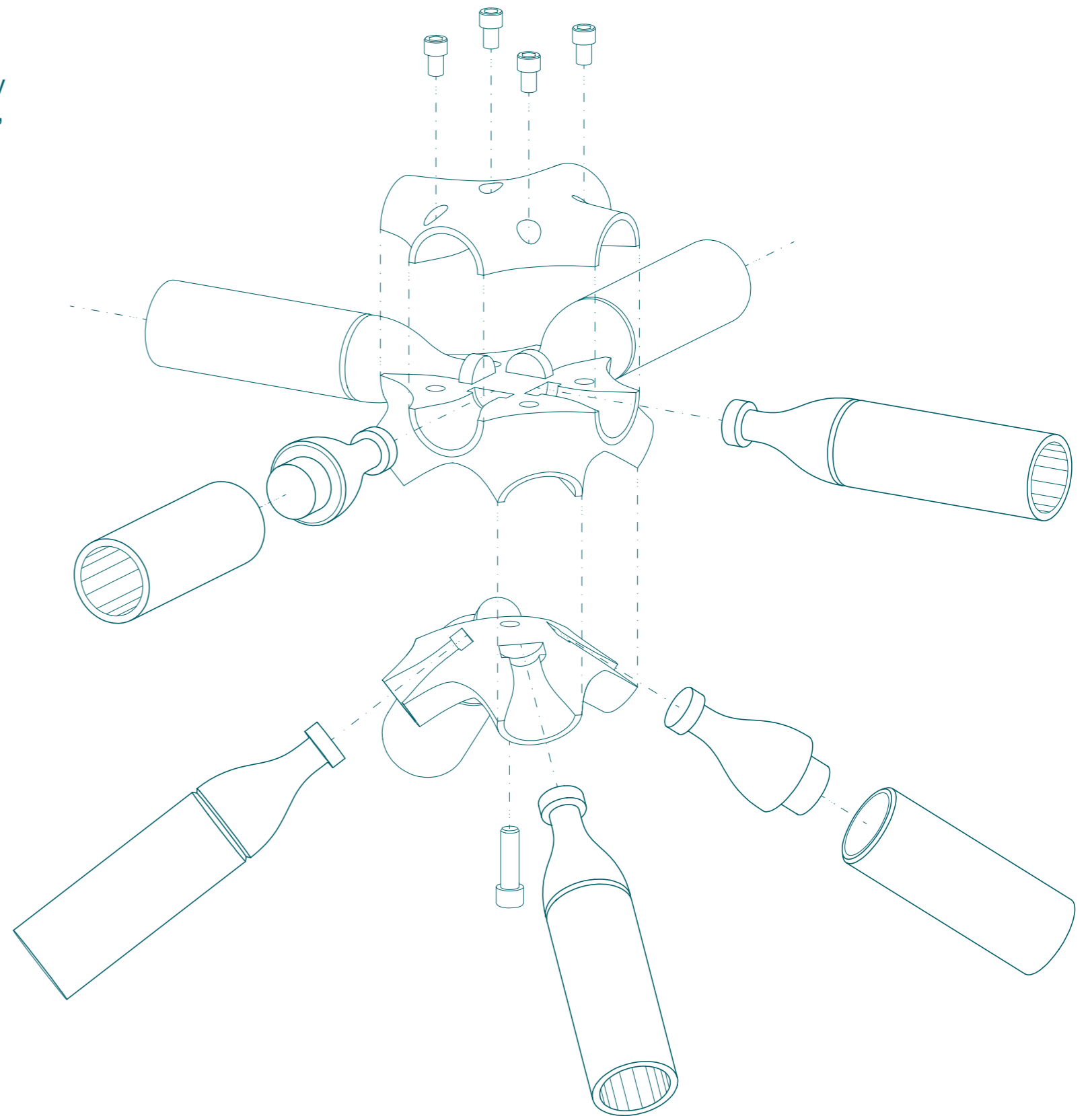
TECHNICAL EXPERTISE

In BUROMILAN there are all the experience and knowledge gained in over forty years of activity in the field of design and the construction of civil, commercial, industrial and infrastructural buildings, both public and private, in support of architects.

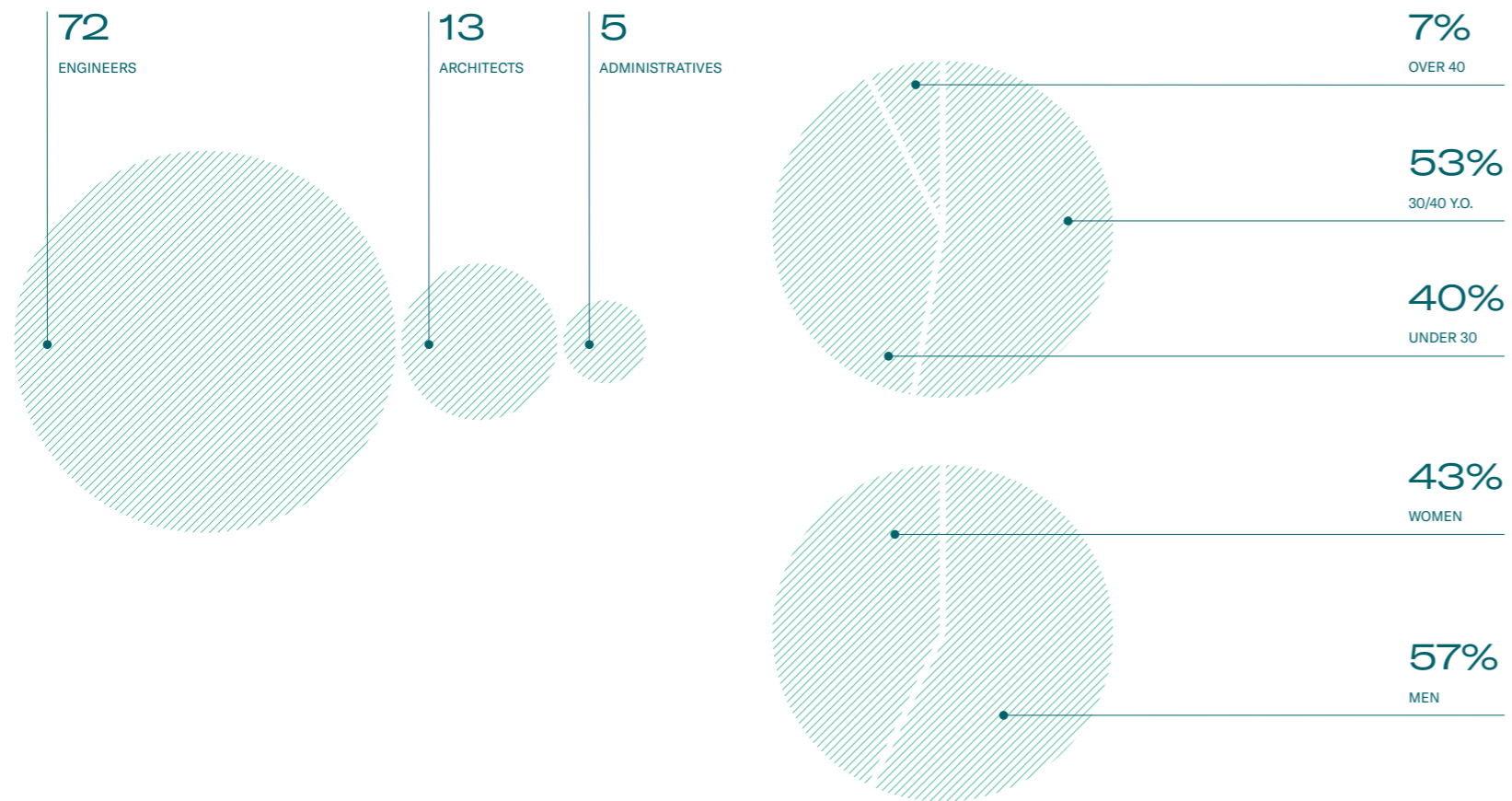
BUROMILAN offers many services and a tailor-made approach based on the Client's needs.

BUROMILAN combines multidisciplinary services such as:

- **STRUCTURAL DESIGN**
- **ARCHITECTURAL DESIGN AND ENGINEERING**
- **GEOTECHNICAL DESIGN**
- **MEP DESIGN**
- **FACADE DESIGN**
- **INFRASTRUCTURAL DESIGN**
- **ENVIRONMENTAL DESIGN**
- **SUSTAINABILITY AND LEED, WELL, BREEAM, WIREScore PROTOCOLS**
- **CFD ANALYSIS**
- **FIRE PREVENTION**
- **BIM MODELING**
- **ADMINISTRATIVE PRACTICES**
- **3D SURVEYS**
- **CONSTRUCTION MANAGEMENT**
- **H&S COORDINATION**
- **COST CONTROL**
- **TESTING**



MORE THAN 90 PROFESSIONALS



OFFICES



ORGANIZATION CHART

BOD
Ing. Maurizio Milan
Ing. Massimiliano Milan

TENDERS AND DEVELOPMENT

Head of development
Ing. Chiara Spaliviero

Tender Department
Arch. Fausto Cuzzocrea
Ing. Pietro Bolzan
Arch. Abigail Rili

ARCHITECTURAL DESIGN

Head of Architectural design
Arch. Chiara Domenici
Arch. Clemens H. Kush

Administrative practices
Arch. Agnese Alfonsi

Designers
Ing. Sofia Fondelli
Arch. Maura Rotelli
Arch. Alejandro Gutierrez
Arch. Abigail Rili
Arch. Edoardo Turozzi
Arch. Filippo Bison
Arch. Antonis Antoniou
Ing. Diana Signorelli
Ing. Francesco Barbieri
Ing. Andrea Marrone
Ing. Federica Gamba

STRUCTURAL DESIGN

Head of Structural design
Ing. Paolo Adda
Ing. Silvio Manfrinato

Designers
Ing. Andrea Colazzo
Ing. Davide Trentini
Ing. Enrico Buizza
Ing. Mirco Drighetto
Ing. Russell Mendoza
Ing. Fabio Calligaro
Ing. Diambra Ugolini
Ing. Giuseppe Benetello
Ing. Mohamed Khalil
Ing. Francesco Moiana
Ing. Demetra Fabris
Ing. Francesco Vento
Ing. Andrea Agliardi
Ing. Gabriele Ceranto
Ing. Pierfrancesco Le Donne
Ing. Laura Masini
Ing. Carmela Capuano
Ing. Sara Mazzucco
Ing. Leticia Brumatti Pinho
Ing. Vincenzo Fasciano
Ing. Sabina Tomescu

BIM DESIGN

BIM Manager
Ing. Ilaria Urbani

BIM Coordinators
Ing. Francesco Barbieri
Ing. Riccardo Giacobbe
Arch. Maura Rotelli

BIM Specialists
Arch. Alejandro Gutierrez
Ing. Emanuele Manni
Ing. Francesco Barbieri
Ing. Andrea Marrone
Ing. Davide Chiodaroli
Ing. Federica Gamba
Arch. Edoardo Turozzi
Ing. Kateryna Kartyshova
Ing. Gianluigi Di Simone
Ing. Andrea Maffi
Arch. Filippo Bison
Ing. Diana Signorelli
Arch. Yasmine Sadek

CONSTRUCTION MANAGEMENT

Site managers
Ing. Sergio Ferrero
Ing. Alessandro Nicoli
Ing. Silvio Manfrinato

Site inspectors
Ing. Enrico Buizza
Ing. Davide Trentini
Ing. Valentina Artale
Ing. Beatrice Felli
Ing. Andrea Agostinelli

H&S COORDINATION

Coordinators
Ing. Sergio Ferrero
Ing. Valentina Artale
Ing. Andrea Rocca

OFFICE MANAGEMENT

Head of management
Ing. Stefano Rossini

Human Resources
Dott.ssa Valentina Angi

Secretary
Dott.ssa Giulia Malerba

Administration
Dott.ssa Silvia Consonni

Head of quality
Ing. Sergio Ferrero

RESEARCH AND INNOVATION

Software development
Ing. Tommaso Barbiero

Modeling and 3D printing
Ing. Francesco Bonato
Dott.ssa Jennifer Kimbler

FIRE PREVENTION DESIGN

Head of fire prevention design
Ing. Andrea Rocca

SUSTAINABILITY PROTOCOLS

Head of sustainability protocols
Ing. Margherita Povolato

GEOTECHNICAL DESIGN

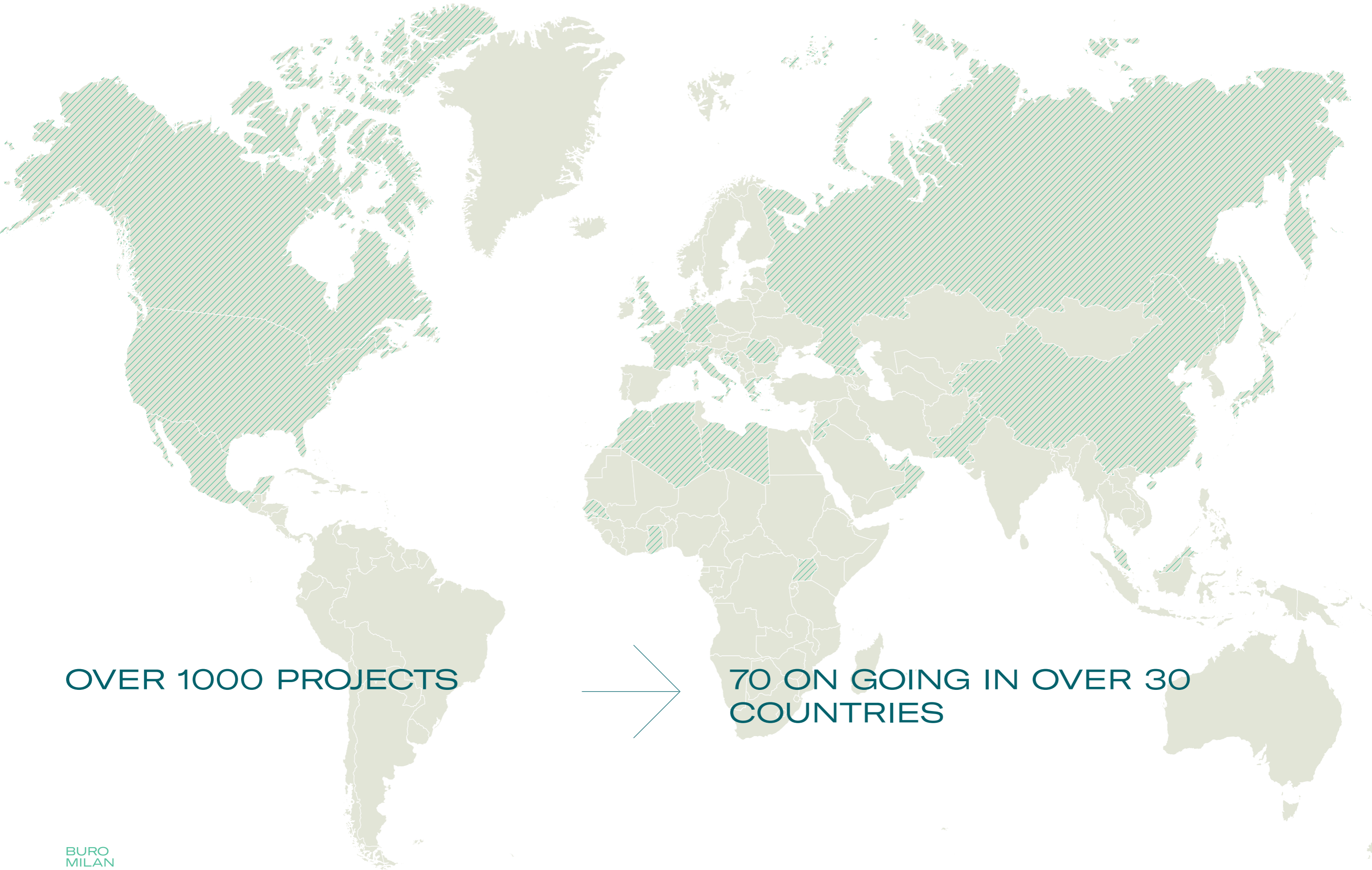
Head of Geotechnical design
Ing. Giorgio Rosignoli

Designers
Ing. Claudia Vilone

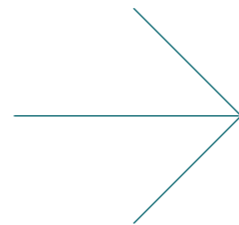
COST CONTROL

Head of Cost Control
Arch. Lorenzo Laganà

Cost controllers
Ing. Duban Galindo
Ing. Claudio Lattanzi
Arch. Alessandro Magro
Arch. Cristina Marzullo
Ing. Giulia Perazzi



OVER 1000 PROJECTS



70 ON GOING IN OVER 30 COUNTRIES

PORTFOLIO



Hotels and Resorts → 1



Residences → 2



Offices → 3



Sports facilities → 4



Museums and fairs → 5



Production and retail → 6



Schools and universities → 7



Healthcare → 8



Infrastructures → 9



Urban regeneration → 10



Conservative restoration → 11



Other Projects → 12

HIGHLIGHT PROJECTS

PEACE BRIDGE

Tbilisi, Georgia

The Tbilisi pedestrian bridge designed by architect Michele De Lucchi is a slender 160-m-long metal structure hanging from a steel and glass lattice roof that takes on the sinuous shape of a leaf. It is a single lightweight membrane firmly anchored to the ground at the two banks of the river on four forked supports. The glass panels were cold-bent on site during assembly.

Client: Tbilisi City Hall
Design: aMDL CIRCLE
Services provided: structural design
Period: 2009-2010
Amount: € 11.500.000



MUSE SCIENCE MUSEUM

Trento, Italy

The MUSE, in the Michelin area in Trento, documents multiple aspects of the alpine naturalistic environment.

It consists of volumes in succession from top to bottom and is considered a building with futuristic features in both technologies and facilities. Local materials were chosen for its construction, and the project is prepared to achieve LEED certification.

Client: Iniziative Urbane S.p.A.

Design: RPBW Renzo Piano Building Workshop

Services provided: structural design, structural site supervision

Period: 2008-2013

Amount: € 60.000.000



FONDAZIONE PRADA

Milan, Italy

The Milan headquarters of Fondazione Prada is located in the Scalo di Porta Romana district, currently undergoing a major redevelopment. The design by the architect Rem Koolhaas integrates the industrial architectural structure of the early 20th century with the new building. 17,500 square meters over seven buildings, warehouses, workshops and silos, around a large central courtyard.

Client: Fondazione Prada S.p.A.

Design: OMA Office for Metropolitan Architecture

Services provided: structural and MEP design

Period: 2009-2015

Amount: € 46.000.000



GES2 CONTEMPORARY ART MUSEUM

Moscow, Russia

Moscow's thermal power plant, built by the Tsars in 1907 to power the Kremlin and decommissioned at the beginning of this century, is transformed by architect Renzo Piano's design for the VAC Foundation into a Museum of Contemporary Art. The intervention included the preservation of the original soul with the preservation of the steel structures. The chimneys were used to capture clean air for ventilation of the building.

Client: Fondazione V-A-C
Design: RPBW Renzo Piano Building Workshop
Services provided: structural design
Period: 2016-2018
Amount: € 36.000.000



MUSEUM OF ETRUSCAN ART

Milan, Italy

The Neoclassical Palace at No. 52 Corso Venezia in Milan has undergone major renovations and now houses a permanent collection of 600 works from the Etruscan period. The restoration project curated by arch. Mario Cucinella, included the preservation of the historic elevations and volumes. The museum tour starts in the basement and continues to the upper floors. The domes of the hypogeum space, were built below the building, keeping it detached from the ground for the entire duration of the construction.

Client: Fondazione Rovati

Design: MCA Mario Cucinella Architects

Services provided: structural design, structural site supervision

Period: 2015-2022

Amount: € 10.000.000



NEW COLOSSEUM ARENA FLOOR

Rome, Italy

The Project plans to restore the full composition of the largest amphitheater in the ancient world, which is estimated to have held up to 87,000 spectators. A sophisticated rototranslation mechanism of the panels, which are the components of the platform, allows the underground to be viewed, allowing ventilation and natural lighting.

Client: Ministero della Cultura - Parco Archeologico del Colosseo
Design: Labics + Arch. Fumagalli
Services provided: design coordination, structural and MEP design, structural site supervision, health and safety
Period: 2021-ongoing
Amount: € 9.500.000



1

HOTELS & RESORTS

25HOURS HOTEL FLORENCE

Florence, Italy

The former Convent of San Paolino, founded in the 11th century, is located in the historic centre of Florence, a few steps from Santa Maria Novella and Ponte Vecchio. It has been completely restored and transformed into a luxury hotel with 173 rooms, restaurants, a bar, an entrance hall and meeting rooms.

Client: Aire Hotel Florenz Srl

Design: GLA Genius Loci Architettura

Services provided: structural design, general and structural site supervision, health and safety

Period: 2017-2021

Amount: € 20.000.000



LANGHAM HOTEL MURANO

Venice, Italy

The project area is located in the southern part of the island of Murano in the Venice Lagoon. After undergoing considerable transformations over the years, from an ecclesiastical convent, to a noble residence, to a manufacturing complex for glass production, it will be transformed into a 13,500 sqm hospitality complex with 140-room luxury hotel, spa, restaurants, conference rooms and green areas.

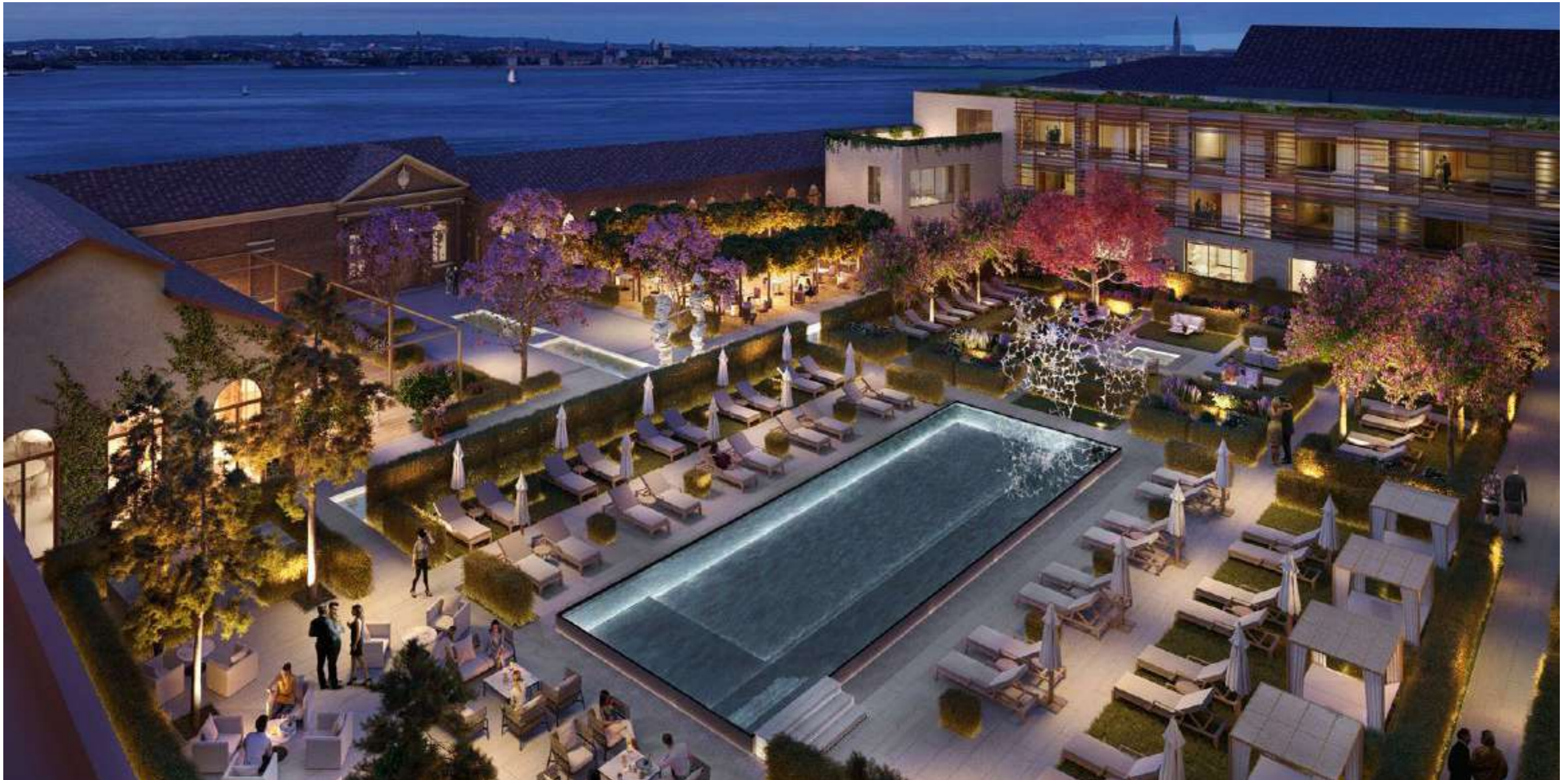
Client: Rio dei Vetrai Srl

Design: Matteo Thun & Partners

Services provided: architectural technical design, architect of record

Period: 2019–ongoing

Amount: € 50.000.000



JW MARRIOTT RESORT & SPA

Venice, Italy

Sacca Sessola is one of the largest islands (16 Ha) of the Venetian Lagoon. Artificially created in 1870, the island was first used as a depot; vegetable gardens and green areas were then created and a pneumological institute was opened. A careful redevelopment project has transformed the island into a 32,000-sqm resort with a spa, a restaurant, conference rooms, private villas, a marina and an heliport.

Client: La Sessola Srl

Design: Matteo Thun & Partner

Services provided: architectural support, structural design, general and structural site supervision, health and safety

Period: 2011-2015

Amount: € 57.500.000



KHOR AL UDAID ECO SETTLEMENT

Khor Al Udaid, Qatar

The project concerns the creation of a widespread resort within Khor Al Udaid National Park, a nature reserve in Qatar with an exclusive ecosystem. The project is inspired by the traditional way of camping in the desert, with the aim of minimizing the acoustic, light and environmental impact: a place to enjoy unspoiled nature and slow down our existence.

Client: Amiri Diwan of the State of Qatar

Design: TAMassociati

Services provided: structural design, structural site supervision

Period: 2021-ongoing



EXCELSIOR HOTEL

Venice, Italy

The Excelsior Hotel was built in 1908, it was designed by Giovanni Sardi and has hosted the Venice Film Festival since 1932, welcoming world-famous personalities among its guests.

The Restoration involves the consolidation of structures, renovation of facilities and adaptation to seismic standards, applying reinforced structural plaster reinforced with carbon fiber, basalt and glass.

Client: Hotel Lido Uno Srl

Design: R&S Engineering and Richmond Architects London
Services provided: technical checks, seismic vulnerability assessment, structural design

Period: 2017-2020

Amount: € 10.000.000



SAINT REGIS HOTEL

Rome, Italy

The Grand Hotel St. Regis, designed by Giulio Podesti and opened in 1894, stands on the ancient Baths of Diocletian in Republic Square. The restoration project concerns the layout and finishes of the common areas of the ground floor, rooms and facades in order to enhance the spaces and improve the functionality of the hotel while respecting its historical-artistic value.

Client: Constellation Hotels Italy Srl

Design: Pierre Yves Rochon and Matteo Thun & Partners

Services provided: structural site supervision, health and safety

Period: 2016-2020



LAGUNA SUITE PALACE

Venice, Italy

The building consists of two volumes connected by a large 8,000-square-meter roof, made of steel and glass, which protects a dock for pleasure boats. The complex houses a hotel with 500 beds, a residence with 100 apartments and a conference center that can hold 640 people.

Client: Venezia Futura Srl

Design: dhk Architects; Studio Architetto Marco Piva; Studio T.I. Soc. Coop. Arl; Studio Ingegneria Tommasin

Services provided: structural and MEP design, site supervision, project management, health and safety

Period: 1998-2002

Amount: € 36.150.000



2 RESIDENCES

SEI MILANO AREA

Milan, Italy

The development is located within the “Raggi Verdi” metropolitan park, the city’s largest ecological infrastructure. The Master Plan envisions 118,000 sqm with about 1,000 residential units facing a public park equipped with leisure areas, an office complex and a commercial area.

The complex is designed for the purpose of obtaining LEED Gold certification.

Client: Borio Mangiarotti SpA

Design: MCA Mario Cucinella Architects

Services provided: structural design

Period: 2018–2020

Amount: € 250.000.000



RESIDENTIAL RENOVATION GAROFALO PAISIELLO

Milan, Italy

The project involves the renovation of two residential buildings in the Città Studi area. The new buildings are designed respecting criteria of maximum flexibility: an architectural system based on a 90-cm module, with cantilevered planes that allow a wide diversification of the facades, using interchangeable external elements according to the needs of customization of the living space.

Client: DeA Capital Sgr

Design: MCA Mario Cucinella Architects

Services provided: structural design, general and structural site supervision

Period: 2020-2024

Amount: € 46.700.000



ANGST HOTEL

Bordighera, Italy

The Angst Hotel is a building of considerable architectural value and is one of the most important examples in the eclectic style of the late 19th-century French-Italian Riviera. A delicate renovation of the facades and valuable interior spaces is underway and will be converted back to residential use.

Client: Immobiliare Angst Srl

Design: Tectoo Architects

Services provided: seismic vulnerability assessment, structural design, structural site supervision

Period: 2015–ongoing

Amount: € 26.000.000



THE SOCIAL HUB

Turin, Italy

The Social Hub will rise in a disused area of the Aurora district, near Porta Palazzo and the University of Turin. The campus will cover 30,000 square meters where co-living and co-working will meet the needs of the new lifestyles of our society. The student residence will be a place to study, work and live and will be enriched by cultural, recreational and sports activities.

Client: TSH The Social Hub

Design: Tectoo Architects

Services provided: structural design and site supervision

Period: 2019–ongoing

Amount: € 36.000.000



RESIDENTIAL RESTORATION

Milan, Italy

The building complex consists of structures and decommissioned warehouses that date back to the 50s. The existing buildings have been replaced with 4 new buildings surrounding a garden square, the basement level connects all the buildings. The internal courtyard is accessible from the adjacent city through wide passages and provides private residential areas. This district features walking paths, urban furnishings, a bocce ball field and green zones with an aromatic garden.

Client: Nexity Trentadue Srl

Design: Arch. Francesco Fiorica, Arch. Clara Rognoni

Services provided: architectural technical design, architect of record, structural and MEP design, health and safety

Period: 2018-2023

Amount: € 36.000.000



MILANOFIORI 2000

Milan, Italy

The Milanofiori 2000 residential subdivision covers 15,000 square meters and is designed by promoting the exchange between living spaces and the surrounding environment. The glazed walls of the facades enclose winter garden loggias that overlook the park, with a seasonal thermoregulation function, depending on different climatic conditions.

Client: Milanofiori 2000 Srl, Brioschi Finanziaria, Gruppo Cabassi

Design: ORB Open Building Research, Arch. Michel Desvigne, Arch. Erika Skabar

Services provided: structural design, site supervision

Period: 2005-2011

Amount: € 32.800.000



ELLINIKON WATERFRONT

Ellinikon, Greece

Within the concept master plan developed by Foster+ Partners for the Waterfront of Ellinikon, Greece, is the design of a luxury condominium complex covering an area of 6.2 sq. km.

Client: Hellinikon SA
Design: Bobotis + Bobotis Architects
Services provided:
Period: 2022-on going



MARRAKECH VILLAS

Marrakech, Morocco

The project involves the construction of two new housing units. The unit called Villa 1 has a total surface of 1.176 square meters with a concrete structure, colored with pigments to simulate the color of the local clay. The unit called Villa 2 has a total surface of 1.660 square meters, with a concrete coffered structure.

Client: G.V.B. Marrakech Sa.B.L.

Design: Hus

Services provided: geognostic and environmental investigations, structural design, structural site supervision

Period: 2018-2020



RENOVATION OF “K” HOUSE IN RODDINO

Cuneo, Italy

The project consists of renovating two existing farmhouses inside the buffer zone of the *Unione dei Comuni delle Colline di Langa e del Barolo* [Union of Municipalities of Colline di Langa and Barolo], a UNESCO World Heritage Site since 2014. The two farmhouses are located inside an area of 21,000 sqm on the edge of the south-western Langa, where castles and villages interrupt the harmonious landscape framed by the vineyards of Dolcetto and Nebbiolo.

Client: Private

Design: Alvisi Kirimoto Partners Srl

Services provided: structural design, structural site supervision

Period: 2015–2017



EX FALCK AREAS – UNIONE 0 RESIDENTIAL DISTRICT, CLUSTER 5

Sesto San Giovanni, Milan, Italy

Two buildings composed of 280 apartments that border Union 0 eastward with the Sesto Rondò subway red line stop and northward overlook the new station square. The apartments, with large common areas and transparent basement that opens to the city streets, manage to combine domestic spaces and large outdoor loggias, which have now become a must for new-generation residential buildings.

Client: MilanoSesto S.p.A.

Design: barreca&lavarra

Services provided: structural design

Period: 2020-2022

Amount: € 58.000.000



EX FALCK AREAS – UNIONE 0 RESIDENTIAL DISTRICT, CLUSTER 4

Sesto San Giovanni, Milan, Italy

The project within Unione Zero, the first development lot of the ambitious urban regeneration masterplan for the former Falck area, addresses the theme of vacant residences by investing in the value of permeability. The courtyard buildings UMI 4 and UMI 5 are arranged along Green Boulevard, MilanoSesto's pivotal pedestrian avenue, opening up to the city and becoming an integral part of it.

Client: MilanoSesto S.p.A.
Design: Scandurra Studio
Services provided: structural design
Period: 2020-2022
Amount: € 109.000.000



ERDISU STUDENT HOUSE

Udine, Italy

Located inside the campus of scientific faculties of the University of Udine, the Erdisu student house includes 108 residential units and sports facilities. The building is part of a 12.000 sqm area populated by 6000 students, 350 professors and 320 PhD students.

Client: Erdisu FVG

Design: Studio Associato Arch. Oddi

Services provided: structural design, structural site supervision, health and safety

Period: 2007-2012

Amount: € 6.000.000



3 OFFICES

SPARK ONE AND SPARK TWO

Milan, Italy

Santa Giulia is a residential and office district designed by Norman Foster and corresponds to the former Montedison and Redaelli industrial areas. The new Spark One and Spark Two office buildings are located in a triangular lot facing Rogoredo station. The project is designed to achieve LEED Platinum and WELL, Building Standard Gold certification.

Client: Lendlease – InTown Srl

Design: Progetto CMR Massimo Roj Architects

Services provided: structural design, general and structural site supervision

Period: 2017-2022

Amount: € 114.500.000



PISANI 22 BUSINESS CENTER

Milan, Italy

L'intervento sull'edificio di Via Pisani 22, realizzato dall'ing. De Molinari nel 1962, prevede il ricollocamento di parte della slp anche a livello interrato, consentendo di liberare da volumi costruiti superfici attualmente occupate e realizzare spazi verde nel cuore dell'area di proprietà. L'edificio è progettato con attenzione ai principi di sostenibilità per ottenimento della certificazione LEED Platinum WELL.

Client: Antonello Manuli Holding

Design: Tectoo Architects

Services provided: structural design, general and structural site supervision

Period: 2018-2024

Amount: € 38.950.000



MI.C FORMER MICHELANGELO HOTEL RENOVATION

Milan, Italy

The former Hotel Michelangelo has been a symbol of the Milan skyline for more than half a century. The restyling project involves deconstruction to be followed by the recovery of concrete to be reused in the construction of a 100-meter-high office tower.

Client: Michelangelo Srl

Design: Park Associati

Services provided: structural design, general and structural site supervision

Period: 2022-ongoing

Amount: € 107.600.000



SEDE SOPRO

Wiesbaden, Germany

Mapei will build its new headquarters in the Wiesbaden district of northern Germany and modernize its R&D laboratories and training center. The new facility, spacious and with clean lines, consists of a set of five interconnected buildings enclosing the large courtyard.

Client: Sopro Bauchemie GmbH Wiesbaden

Design: Onsitestudio

Services provided: general and structural site supervision

Period: 2022-ongoing



NEXUM

Rome, Italy

The project intends to relate the workspaces to the outdoor areas, the roof garden, and the surrounding world. It is a highly efficient and flexible set of related buildings, well integrated with the surrounding space and with a strong contemporary identity, both by design and function.

Client: Immobilierci Srl

Design: Alvisi Kirimoto

Services provided: structural design

Period: 2022-2023

Amount: € 56.600.000



TINTORETTO BUSINESS CENTER

Rome, Italy

The Tintoretto project involves the complete renovation of the property on Via Laurentina in Rome, with the strip out of all floors and the redevelopment of the offices according to a plan shared with the tenants.

Client: Tintoretto Rome Srl

Design: BUROMILAN

Services provided: architectural technical design, architects of record, structural and MEP design, site supervision, health and safety

Period: 2020-ongoing

Amount € 9.100.000



DIRECTIVE COMPLEX BIM

Milan, Italy

The project will accommodate up to 5000 people, within innovative outdoor and indoor spaces. Among the open-air spaces, the main one is the courtyard in the centre of the building, as a place for socialising and meeting, surrounded by varied services open to the inhabitants of the neighbourhood.

Client: Kervis SGR S.p.A.

Design: Piuarch

Services provided: structural design, structural site supervision

Period: 2022-ongoing

Amount: € 8.800.000



OFFICE OF THE AUTHORITY OF MAIL AND COMMUNICATION IN ALGERI

Algeri, Algeria

The new Algiers Post Headquarters, designed by Architect Mario Cucinella, is a landmark of a city where tradition and modernity coexist and create new symbolic and cultural scenarios. The building is designed according to bioclimatic principles and is inspired by ancient natural cooling techniques. It is a three-dimensional exo-structure with double curvature and high convex rigidity on the north front to deflect hot winds and concave on the south to intercept cool night breezes.

Client: Autorité de Régulation de la Poste et des Télécommunications

Design: MCA Mario Cucinella Architects

Services provided: structural design

Period: 2013-2018

Amount: € 80.000.000



SIEMENS ITALIA HEADQUARTERS

Milan, Italy

Siemens' new headquarters in Milan covers 5,600 square meters with four floors occupied by offices and a basement housing services, a canteen and laboratories. The design follows standard dimensional principles and modules that Siemens applies worldwide. Particular care is devoted to sustainability principles with the achievement of LEED Gold certification.

Client: Siemens SpA

Design: Barreca & La Varra

Services provided: structural design, general and structural site supervision

Period: 2015-2018

Amount: € 21.000.000



ISOZAKI TOWER CITYLIFE

Milan, Italy

The Isozaki Tower, part of the redevelopment of the former Fairgrounds, is one of the tallest buildings in Italy: 207 meters and 50 stories, 46 of which are for executive use. The building has a long, narrow plan, such that its verticality is accentuated. A convex glazed modular system, supported by three steel struts, dampens wind and earthquake stresses.

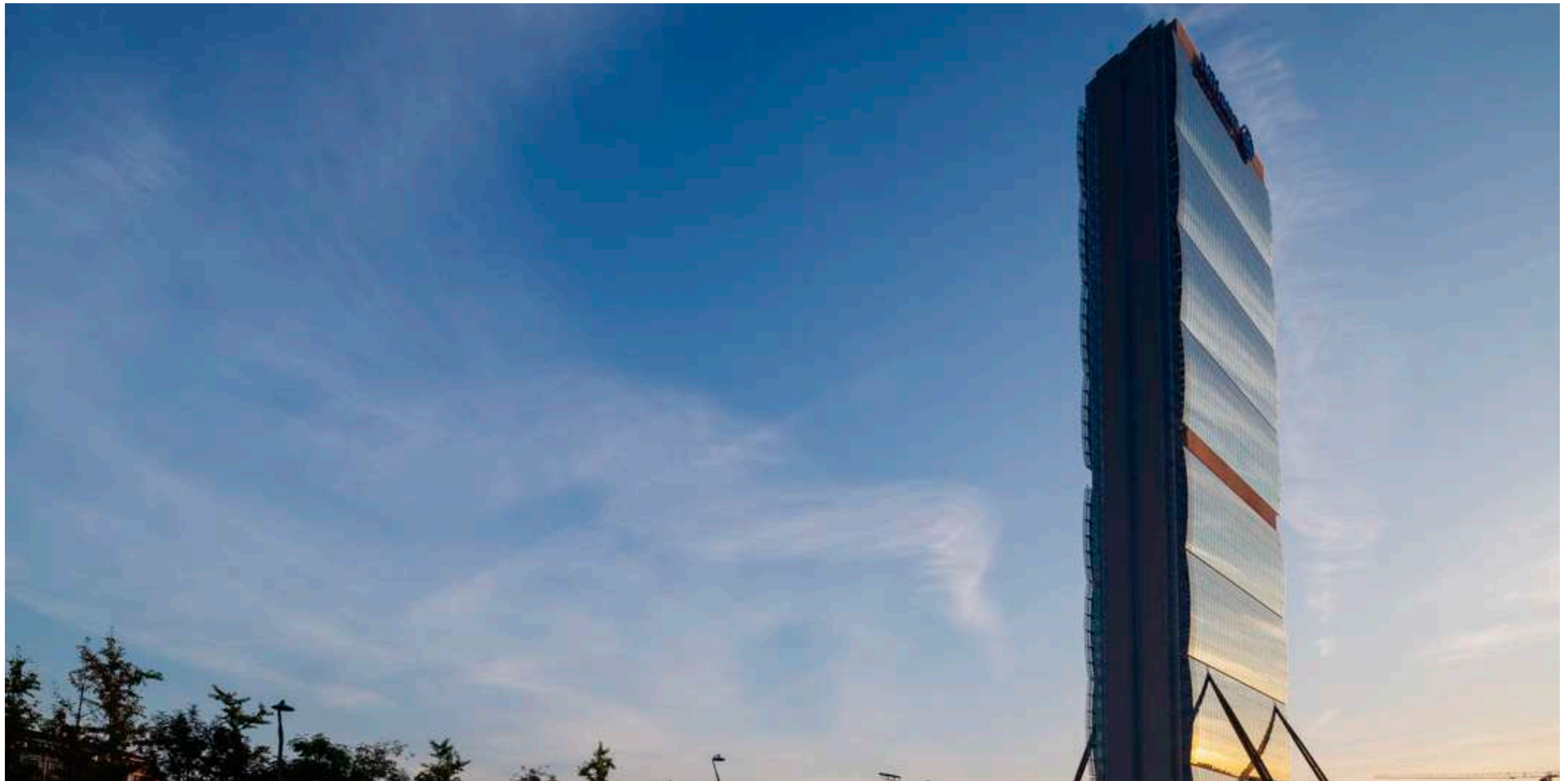
Client: Citylife Srl

Design: Arata Isozaki & Associates, Andrea Maffei Architects

Services provided: structural design

Period: 2006

Amount: € 150.000.000



AKHMAT TOWER

Grozny, Chechen Republic of Russia

The multifunctional high-rise complex Akhmat Tower, will be constructed in the center of Grozny on the right bank of the Sunzha River. The uniqueness of the project lies in the geographic location of the complex — it will be the first skyscraper in Europe built in a zone of high seismic activity. Thanks to specially developed constructive and technological solutions, the seismic stability of the skyscraper has no analogues in the world.

Client: Smart Building

Design: Adrian Smith + Gordon Gill Architecture

Services provided: structural design

Period: 2015



BUCAREST TOWER

Bucarest, Romania

The project consists of three residential buildings and one office building. BUROMILAN designed the canopies that would have been placed on the roofing of the three residential buildings, which have three different heights. T1 and T2 are 60 m high, while T3 is 79 m high.

Client: One Mircea Eliade Properties Srl
Design: X Architecture & Engineering Consult
Services provided: canopies structural design
Period: 2018



PIRELLI TYRE FACTORY EXPANSION

Turin, Italy

The project focused on the creation of office space inside the new “Pirelli Tyre” estate, created in 2007 by connecting two Pirelli factories. Located inside a long central building, laboratories and service areas are part of the most technologically advanced centre of the Pirelli group in the world in terms of innovation, production and attention to environmental sustainability.

Client: Pirelli Tyre SpA
Design: RPBW Renzo Piano Building Workshop
Services provided: structural design
Period: 2007-2012
Amount: € 14.000.000



FACADE OF LUNA ROSSA OPERATIONAL BASE

Valencia, Spain

Renzo Piano's project for the Luna Rossa operational base in Valencia reuses the sails disused from past editions of the America's Cup. Each façade is configured as a patchwork of mainsails and jibs, cut and assembled on a regular framework of support frames. The sail is a transparent mylar film on which carbon, Kevlar and fiberglass textures are inserted. During the day it allows natural light to penetrate the space. At night it lights up like a lantern.

Client: Prada S.p.A.

Design: RPBW Renzo Piano Building Workshop

Services provided: structural design, façade engineering

Period: 2005



MONTE DI PIETÀ

Milan, Italy

The project involves the construction of a new building within a densely built part of the city. At the height there are spaces for services, spas, co-working and offices. At the top stands a volume that houses four floors of offices and a public panoramic terrace.

Client: COIMA SGR – Fondo Odissea

Design: RPBW Renzo Piano Building Workshop

Services provided: structural design, façade engineering

Period: 2021–2023



MINISTRY OF JUSTICE

Batumi, Georgia

The Georgian Ministry of Justice in Batumi is headquartered inside a large building that can be clearly seen from the sea, consisting of a two-storey part intended for the public and a 17-storey tower hosting the archives and the offices of the Ministry employees. Mainly made of concrete, the complex features façades characterised by the rhythmic alternation of empty and full spaces.

Client: Ministry of Justice of Georgia

Design: aMDL CIRCLE

Services provided: structural and MEP design, site supervision

Period: 2009-2011

Amount: € 25.000.000



4

SPORTS FACILITIES

ARECHI STADIUM RENOVATION

Salerno, Italy

The redevelopment of Salerno's Arechi Stadium includes covering the sports facility's grandstands and a complete restyling of the facades. BUROMILAN was awarded the design of the intervention in 2023, paying the utmost attention to an integrated design that would allow the project to be implemented in the shortest possible time, and without interfering with the activities of the soccer league.

Client: ARUS Regione Campania

Design: GauArena, Studio Zoppini Architetti

Services provided: design coordination, architectural technical design, structural design, health and safety

Period: 2023-ongoing

Amount: € 35.000.000



EX FALCK AREAS – AC MILAN STADIUM

Milan, Italy

Architect Norman Foster's project includes a modern stadium with 60/70 thousand seats, sustainable and, above all, aimed at families, with services operating 7 days a week, including shopping and museum areas. The sports facility is totally integrated into the green system of the large park, within the masterplan of the former Falck areas, in which BUROMILAN is working for the structural design and site supervision.

Client: MilanoSesto S.p.A.

Design: Foster + Partners

Services provided: feasibility structural consultancy

Period: 2022

Amount: € -



MAPEI FOOTBALL CENTRE

Sassuolo, Italy

The new Sassuolo Calcio Center will be realized as a collective unit to complete a more comprehensive sports facility system.

The center consists of a main building that will host two gyms, one for the main football team and the other one for youth, physical therapy areas, a conference room, offices, services and car parks. The outdoor facilities will be equipped with 5 playgrounds and the main one will have a grandstand for audiences.

Client: U.S. Sassuolo Calcio Srl

Design: Onsitestudio

Services provided: structural design, structural and general site supervision, health and safety

Period: 2016-2019

Amount: € 12.000.000



OLYMPIC HOCKEY ARENA

Turin, Italy

The Hockey Stadium was designed by Arata Isozaki and won the first prize in the international competition for the construction of an indoor stadium for the 2006 Winter Olympics in Turin. It is a stainless steel volume measuring 183 m x 100 m which opens onto the park through a large window. The total capacity is 15,657 seats and the stadium fully complies with regulations on architectural barriers. The building hosts many sport events and musical venues.

Client: Agenzia Torino 2006

Design: Arata Isozaki & Associates

Services provided: structural and MEP design

Period: 2003-2004

Amount: € 87.000.000

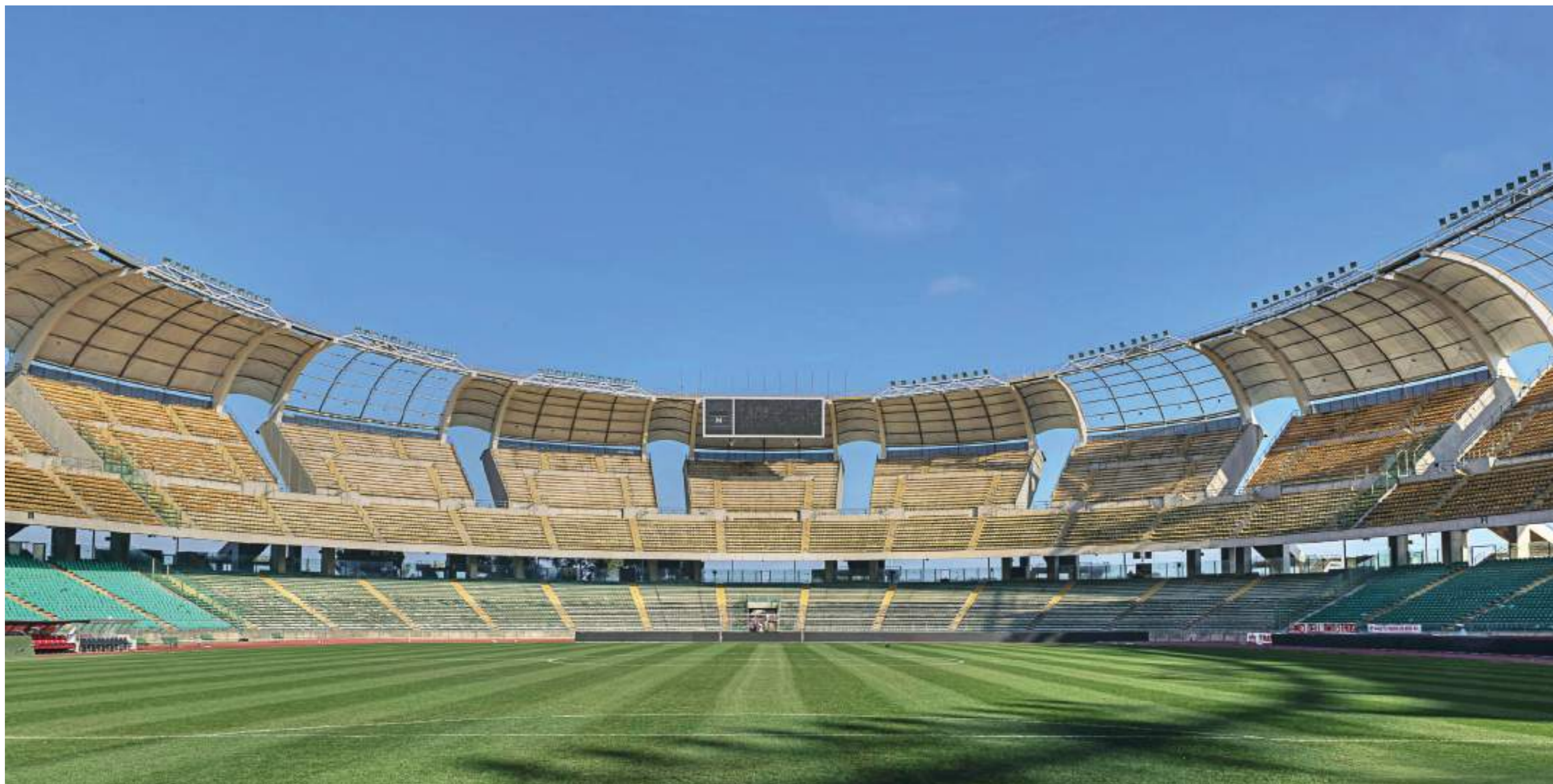


SAN NICOLA STADIUM

Bari, Italy

The San Nicola Stadium in Bari was built for the 1990 World Cup. The structure is shaped like a flower and is made of 26 sectors, or “petals” as called by Renzo Piano, which are spaced from the other by about 8 meters, preventing possible clashes between fans of different sides. The idea of spreading the lighting system around the entire perimeter of the roof made the “San Nicola” the only stadium in the world without shadows on the field during night matches of the time.

Client: Consorzio Bari '90
Design: RPBW Renzo Piano Building Workshop
Services provided: structural design
Period: 1987-1990
Amount: € 61.970.000



OHENE DJAN STADIUM

Accra, Ghana

The Accra Stadium facility has been updated and modernized to meet FIFA standards. The work included demolition of the existing stands and construction of new structures. New two-level concrete stands were built around the soccer field, and a new steel roof was installed over the west stand and the gallery reserved for broadcasters in order to shade the audience from sunlight.

Client: Micheletti & Co. Ltd, Ghana

Design: Chapman Taylor Architetti, ODB Ottavio Di Blasi & Partners

Services provided: structural design

Period: 2005-2007

Amount: € 55.000.000



SIENA STADIUM

Siena, Italy

The design privileges the relationship between architecture - the stadium - and landscape - the picturesque context of the Tuscany hills around Siena. The pitch's centre of gravity has been shifted in order to allow an open view over the surrounding areas. It has been conceived as a complex system where the specific features of soccer coexist with a variety of resources designed for other sporting, educational, financial and commercial activities together with accommodation facilities.

Client: Comune di Siena

Design: IOTTI+PAVARANI Architetti

Services provided: structural design

Period: 2004-2008

Amount: € 78.500.000



TOSCANO RESORT CASTELFALFI

Florence, Italy

The Castelfalfi golf facility is located in the municipality of Montaione, Tuscany, within an estate of about 1,100 hectares.

Built according to the principles of sustainability, it is the central element of the “Toscano Resort Castelfalfi” and occupies an area of 160 hectares. The facility includes two 18-hole golf courses, practice ranges, four tennis courts, maintenance center, clubhouse and other ancillary buildings.

Client: Tenuta Di Castelfalfi SpA

Design: Ihcb Hospitality Concepts Bolzano, Detusche Golf Holding Ltd, Studio Architekt Moroder, Bauzeit Architekten, Baubüro Ingenieurgesellschaft

Services provided: site supervision, health and safety

Period: 2009-2013

Amount: € 14.380.000



5

MUSEUMS AND FAIRS

MUSEUM OF ETRUSCAN ART

Milan, Italy

The Neoclassical Palace at No. 52 Corso Venezia in Milan has undergone major renovations and now houses a permanent collection of 600 works from the Etruscan period. The restoration project curated by arch. Mario Cucinella, included the preservation of the historic elevations and volumes. The museum tour starts in the basement and continues to the upper floors. The domes of the hypogeum space, were built below the building, keeping it detached from the ground for the entire duration of the construction.

Client: Fondazione Rovati

Design: MCA Mario Cucinella Architects

Services provided: structural design, structural site supervision

Period: 2015-2022

Amount: € 10.000.000



GES2 CONTEMPORARY ART MUSEUM

Moscow, Russia

Moscow's thermal power plant, built by the Tsars in 1907 to power the Kremlin and decommissioned at the beginning of this century, is transformed by architect Renzo Piano's design for the VAC Foundation into a Museum of Contemporary Art. The intervention included the preservation of the original soul with the preservation of the steel structures. The chimneys were used to capture clean air for ventilation of the building.

Client: Fondazione V-A-C
Design: RPBW Renzo Piano Building Workshop
Services provided: structural design
Period: 2016-2018
Amount: € 36.000.000



MEMORIAL GORÉE

Dakar, Senegal

The Slave Trade was unprecedented history, a large-scale system of domination and human exploitation between the 16th and 19th centuries, in which Africa and its people suffered terribly. The Gorée Memorial is a place of remembrance so that the values of human rights will not be forgotten. The structure is a stainless steel shell formed by regular hexagons that support the terrace about 100 m above the ground.

Client: State of Senegal – UNESCO
Design: ODB Ottavio Di Blasi & Partners
Services provided: structural design
Period: 2014
Amount: € 25.000.000



FONDAZIONE PRADA

Milan, Italy

The Milan headquarters of Fondazione Prada is located in the Scalo di Porta Romana district, currently undergoing a major redevelopment. The design by the architect Rem Koolhaas integrates the industrial architectural structure of the early 20th century with the new building. 17,500 square meters over seven buildings, warehouses, workshops and silos, around a large central courtyard.

Client: Fondazione Prada SpA

Design: OMA Office for Metropolitan Architecture

Services provided: structural and MEP design

Period: 2009-2015

Amount: € 46.000.000



HISTORICAL ARCHIVE OF CONTEMPORARY ARTS IN VENICE

Venice, Italy

The functional program involves the relocation to the now empty historic buildings formerly occupied by the Italian Navy, of a complex set of functions including exhibition spaces, consultation spaces, Biennale offices, conservation and restoration laboratories, and the Historical Archives of Contemporary Arts. The challenge lies in being able to reconcile the compelling preservation needs of a unique historical complex like the Venice Arsenal with the requirements of re-functionalization.

Client: Fondazione La Biennale di Venezia
Design: Torsello Architettura, ODB Ottavio Di Blasi & Partners
Services provided: structural design
Period: 2023-ongoing



CENTRAL PAVILION OF THE VENICE BIENNALE

Venice, Italy

The current state of the Central Pavilion is the result of a series of interventions protracted for more than a century, according to an additive logic that responded to the needs of the moment.

The goal of the new intervention will be to create a neutral and flexible space ready to accommodate any form of display, through an organic series of interventions aimed at the restoration and enhancement of the building.

Client: Ministero della Cultura

Design: LABICS, arch. Fabio Fumagalli

Services provided: design coordination, structural design, structural site supervision, health and safety

Period: 2023-ongoing



MUCIV MUSEUM OF ROMAN CIVILIZATION

Rome, Italy

The Muciv, Rome's Museum of Civilizations, housed in the twentieth-century Palazzo delle Scienze, has undergone an upgrade, reorganization and museum rearrangement based on a project sensitive to the building's architectural features.

Client: MUCIV Museo delle Civiltà

Design: Isolarchitetti

Services provided: structural design

Period: 2018-2021

Amount: € 5.000.000



MUSE SCIENCE MUSEUM

Trento, Italy

The MUSE, in the Michelin area in Trento, documents multiple aspects of the alpine naturalistic environment.

It consists of volumes in succession from top to bottom and is considered a building with futuristic features in both technologies and facilities. Local materials were chosen for its construction, and the project is prepared to achieve LEED certification.

Client: Iniziative Urbane SpA

Design: RPBW Renzo Piano Building Workshop

Services provided: structural design, structural site supervision

Period: 2008-2013

Amount: € 60.000.000



FONDAZIONE VEDOVA

Venice, Italy

Located inside one of the old Salt Warehouse in the Zattere area, in Venice, the exhibition space is 60 m long and artworks are kept in a specially designed structure similar to a large archive. Canvases are picked up by a mechanical system and slowly transported on tracks hooked to the roof trusses and supported by small cranes, thus enabling the visitors to discover the artworks in the chosen order

Client: Fondazione Emilio & Annabianca Vedova

Design: RPBW Renzo Piano Building Workshop

Services provided: structural design

Period: 2008-2010



ACCESS BRIDGE TO TRIENNALE DESIGN MUSEUM

Milan, Italy

The “TDM” is located in the Palazzo dell’Arte in Milan, a building designed by Muzio in 1933. Restored according to Michele De Lucchi’s project, it was inaugurated in 2007. The famous “bamboo” bridge was also built within the museum. steel and glass connecting the atrium and the entrance: one of a kind, it is built in experimental laminate and was tested in the laboratories of the University of Venice.

Client: Fondazione La Triennale di Milano

Design: aMDL CIRCLE

Services provided: feasibility study, structural design, testing, supervision of structural work

Period: 2003–2007



RIMINI FAIR

Rimini, Italy

The expansion of the Rimini exhibition center needs more than 8,000 square meters for exhibitions and events to complement the 80,000 square meters already built and inaugurated in 2001. The project envisions a circular space with a diameter of 144 meters free of pillars and covered by a 36-meter-high glulam dome, the largest in Europe.

Client: Italian Exhibition Group SpA

Design: GMP von gerkan marg und partner

Services provided: structural design, structural site supervision

Period: 2018–ongoing

Amount: € 52.800.000



PAVILION ZERO FOR THE WORLD EXPOSITION 2015

Milan, Italy

The Pavilion Zero for the Milan World Exposition 2015 serve as an entry point where visitors are welcomed and begin the visit. The volume resembles a series of hills, with eight cones of different sizes, each one close to the others, which give the idea of a natural landscape. An external wall divides the cones, while the roof follows the contour lines thus highlighting the pavilion large steps.

Client: Fiera Milano SpA

Design: aMDL CIRCLE

Services provided: structural and MEP design, health and safety

Period: 2013-2015

Amount: € 32.000.000



IRISH PAVILION FOR THE WORLD EXPOSITION 2015

Milan, Italy

The Pavilion comprises two separate rectangular volumes, each consisting of three floors, and features a curved wall made of horizontal wooden fins placed at variable distances. The wall delimits the exhibition area and provides sun shading. Events are hosted in the hanging garden on the roof. Low energy consumption is achieved through the use of LED lighting and solar panels.

Client: Department of Arts heritage and the Gaeltacht

Design: OPW, Bmmc Milano

Services provided: structural design, general and structural site supervision, health and safety

Period: 2014-2015

Amount: € 2.000.000



ITALIAN PAVILION AT THE 15TH INTERNATIONAL EXHIBITION AT BIENNALE DI VENEZIA

Venice, Italy

“Low-cost” is the keyword for the Pavilion, which is made of the same x-lam panels used in the Irish Pavilion at Expo Milan 2015. The wooden panels were disassembled, shaped, re-assembled and mounted on Innocenti tubes to create the installation’s main walls: the Tunnel in the first room and the five Alias in the second room.

Client: La Biennale di Venezia

Design: TAMassociati

Services provided: structural design, technical sponsorship

Period: 2016



ITALY PAVILION EXPO 2025

Osaka, Japan

The Italian Pavilion at Expo 2025 is a modern reinterpretation of the Ideal City with the theatre, the square and the Italian garden as key places of the urban and social identity of our country. The pavilion is made up of two different buildings: A first large open space, which houses the exhibition areas and supports the Italian-style roof garden. At the rear of the pavilion, the back of the house areas include offices, technical spaces and conference rooms that allow the pavilion's activities to take place.

Client: Commissariato generale di sezione per la partecipazione italiana a Expo 2025 Osaka

Design: MCA Mario Cucinella Architects

Services provided: progettazione strutture

Period: 2023-2024



6

PRODUCTION AND RETAIL

I VIALI SHOPPING CENTRE

Nichelino, Turin, Italy

The new Carrefour Trade Centre is made in prefabricated elements, the roof is realized in wood and covered in metal sheet. The façade is decorated with wooden elements as though a “boiserie” having shape of threes. Still and wood elements are the framework for the climbing green. The building area have a surface of 36.660 sqm while the entire lot have a surface of 136.800 sqm.

Client: Carrefour Property Srl

Design: IsolArchitetti, MYGG Design

Services provided: architectural support, structural, MEP, civil and infrastructural design, site supervision, health and safety

Period: 2016-2018

Amount: € 44.300.000



FIORDALISO SHOPPING CENTRE

Rozzano, Milan, Italy

The intervention concerns a part of the Fiordaliso shopping center located in Rozzano, inaugurated in 1992 and renewed in 2010. The project involves the reconfiguration of the former hypermarket unit, located in the north, which will be freed with the construction of the new hypermarket, the realization a new access to the east, and the reconfiguration of existing parking lots with the addition of a multi-storey car park to the north of the complex.

Client: Galleria Verde srl

Design: JCA Architects

Services provided: structural design, general and structural site supervision, health and safety

Period: 2018-2020

Amount: € 20.000.000



BRIANZA SHOPPING CENTER ENLARGEMENT

Paderno Dugnano, Milan, Italy

Brianza Shopping Center, built in 1974, is the second oldest in the Lombardy Region. The developer chose to invest in Paderno Dugnano, proposing to double the current shopping center area of 32,000 square meters.

Client: Carrefour Property Srl

Design: Wilmotte & Associés Architectes

Services provided: architectural support, architectural technical design, structural design, site supervision, health and safety

Period: 2016-2021

Amount: € 85.000.000



THIENE SHOPPING CENTER ENLARGEMENT

Thiene, Vicenza, Italy

The expansion of the Carrefour Shopping Center in Thiene contemplates the construction of a new building adjacent to the existing Mall, with one level above ground and underground parking. The extension is configured as an extension of the existing shopping mall with new stores and food-court.

Client: Carrefour Property Srl

Design: MYGG Architecture

Services provided: structural design, site supervision, health and safety

Period: 2018-2019

Amount: € 20.000.000



AUCHAN SHOPPING CENTRE

Bussolengo, Verona, Italy

The Auchan Shopping Centre in Bussolengo, currently covering an area of 22,000 sq.m, was built in 1974 and expanded in several stages. The expansion plan will add a built surface area of 14,800 sq.m, along with a parking area and green areas for a total of 30,000 sq.m. The Food Court, a large elliptical area with different restaurants, is at the heart of the project, also comprising a covered square which will become a gathering and meeting place.

Client: Gallerie Commerciali Italia SpA

Design: Lombardini 22

Services provided: architectural support, site supervision, health and safety

Period: 2016

Amount: € 16.000.000



AUCHAN SHOPPING CENTRE

Rescaldina, Milan, Italy

The Auchan Shopping Center is the subject of a total Restyling with timely work on facades and roofing, renovation of interior galleries, refurbishing of parking and devising of horizontal and vertical paths. A large skylight will let natural light in to illuminate the interior spaces.

Client: Gallerie Commerciali Italia SpA

Design: Chapman Taylor Architects

Services provided: structural desing, site supervision

Period: 2017

Amount: € 6.000.000



AUCHAN SHOPPING CENTRE

Mestre, Venice, Italy

The Auchan shopping centre was completed in the early 1990s in an area close to Mestre bypass road. The complex has a selling area of 54,000 m² and includes a hypermarket, a gallery with 70 shops, each with its own depot, service stations, car parks with 3000 parking spaces and other functional areas.

Client: Gallerie Commerciali Italia SpA

Design: Architetti Foscari e Del Vicario con Paul Molle

Services provided: structural design, site supervision, health and safety

Period: 1993-1995

Amount: € 47.000.000



VANCHIGLIA SHOPPING CENTRE

Turin, Italy

Shopping centre of approximately 30.000 sqm of GBA located in Turin City Centre, Italy. The development is a part of an extensive urban regeneration project of a former staging area, which will be renewed into new residential, retail and service area. The strategic position will make Vanchiglia the first intown shopping centre in Turin, only within 5 minutes from the main Piazza Castello.

Client: Doric Development Europe
Design: MYGG Design
Services provided: structural design
Period: 2016-2018
Amount: € 40.000.000



VULCANO BUONO CENTER

Nola, Italy

The mount Vesuvius is the background of the new Vulcano Buono Service Centre in Nola (Naples) designed by Renzo Piano.

Two retail levels are covered by a green floor with local essences and vegetation, integrating the building with the surrounding areas in a delicate landscape project.

Client: Interporto Campano

Design: RPBW Renzo Piano Building Workshop

Services provided: structural design, structural site supervision, health and safety

Period: 1996-2007

Amount: € 60.000.000



PRIMARK SHOPVILLE GRAN RENO

Casalecchio di Reno, Bologna, Italy

Inside the Shopville Gran Reno in Bologna, the setting up of the primark store is carried out.

Client: Primark Italy Srl

Design: aF atelier Francis

Services provided: architect of record, site supervision, health and safety

Period: 2020-2022



PRIMARK STORE

Rozzano, Milan, Italy

Inside the Fiordaliso Shopping Center in Milan, the set-up of the primark store is carried out.

Client: Primark Italy Srl

Design: aF atelier Francis

Services provided: architect of record, site supervision, health and safety

Period: 2018-2020



LOUIS VUITTON STORE

Venice, Italy

The project of the new Louis Vuitton flagship store consisted of the internal restoration of the building formerly occupied by the San Marco cinema in Venice, near the former Ridotto theatre. The building has four floors above ground, three of which are dedicated to the store itself, while the fourth one houses a large cultural space open to the public.

Client: Louis Vuitton Italia SpA

Design: LVM Architecture

Services provided: architectural technical design, structural and MEP design, site supervision, health and safety

Period: 2011-2013

Amount: € 4.000.000



DIESEL PLANET STORE

Milan, Italy

As one of the largest stores of the famous clothes brand, the new 1400 sqm Diesel Store in Milan was designed in line with the Group corporate style and culture. The store is a point of reference for shopping in the city.

Client: Diesel Italy SpA

Services provided: architectural technical design, structural and MEP design, site supervision, health and safety

Period: 2008-2013

Amount: € 6.000.000



RIALTO COIN STORE

Venice, Italy

The project focused on the restoration of a building belonging to the COIN-OVIESSE group, located near the Rialto bridge, in the historical centre of Venice. The distribution of spaces inside the multi-storey store was rearranged.

Client: Gruppo COIN SpA

Services provided: architectural technical design, structural and MEP design, health and safety

Period: 2007-2011



COIN GROUP HEADQUARTERS

Mestre, Venice, Italy

The headquarters of the Coin Group are located inside a 1960s com-plex. The building has undergone significant changes over the years, becoming inefficient from a functional and distributive point of view. The restoration was planned in 2005, which brought to the creation of a new entrance, new management offices and samples rooms, the upgrading of the utilities and the outdoor area.

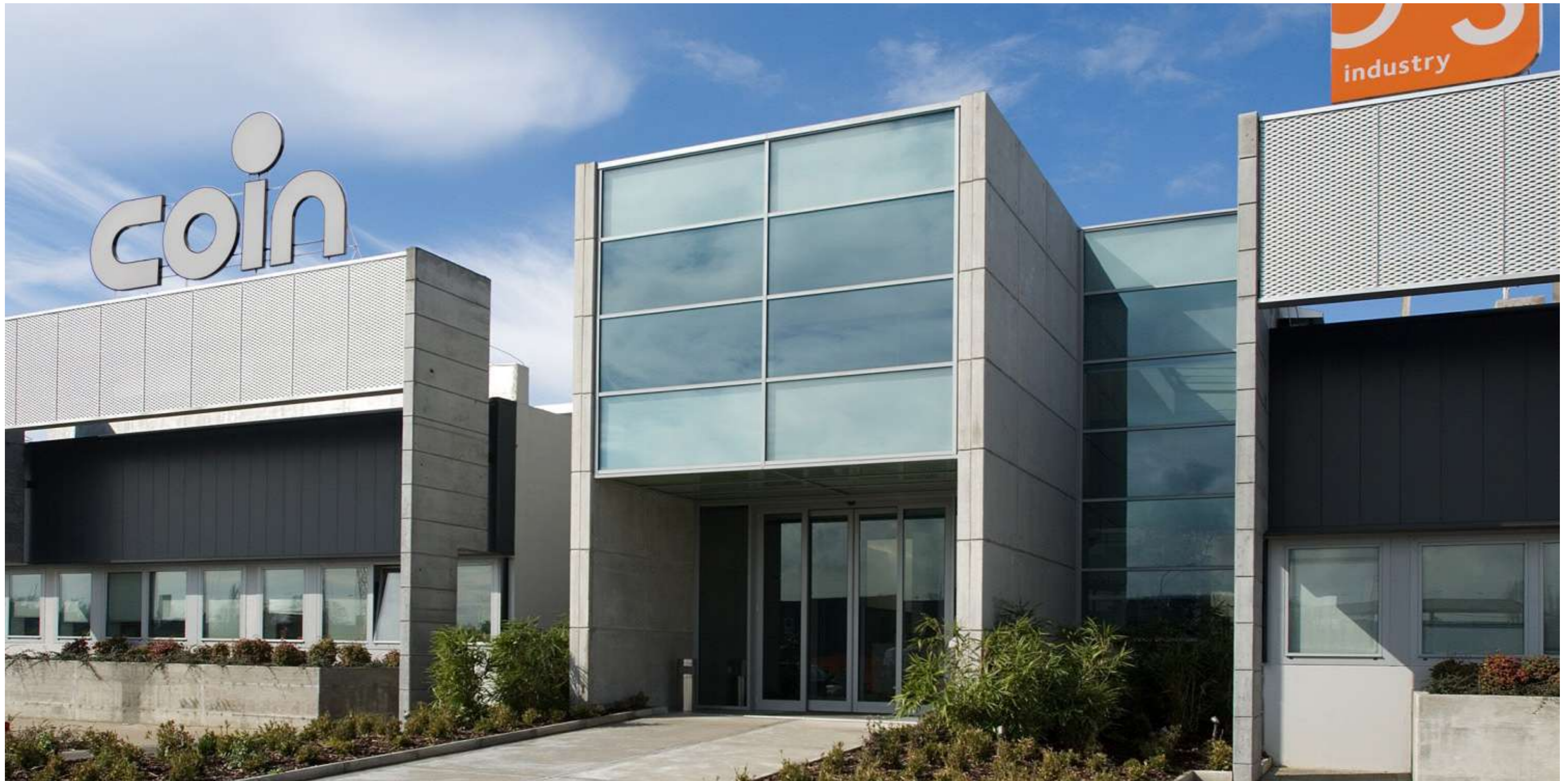
Client: Gruppo COIN SpA

Design: Studio Artico

Services provided: structural and MEP design, site supervision, health and safety

Period: 2005-2007

Amount: € 9.950.000



OVS STORES

Germany

As part of the Oviessse expansion programme in Germany, the opening of 95 new stores was planned in just three years. The refurbishment process of the existing stores proved difficult and had to last less than two months for each store. Works were carried out in different areas in short succession, thus enabling to always keep part of the stores open.

Client: Gruppo COIN SpA, Oviessse GmbH

Design: Studio Artico

Services provided: structural design, site supervision

Period: 2001-2004

Amount: € 42.000.000



TIFFANY & CO. FLAGSHIP STORE FAÇADE

Dubai, United Arab Emirates

The renovated façade of the Tiffany & Co. store at the Dubai Mall, designed by Japanese studio SANAA, features glass blocks welded directly onto support panels. The planned mounting system for the façade is purpose-built, and involves mirrored support panels on which the blocks are housed, rotated to reflect the light and the surroundings. The glass blocks are backlit with a light of the distinctive blue of the maison.

Client: Tensoforma

Design: SANAA

Services provided: façade engineering

Period: 2022-ongoing



TIFFANY & CO. CHANGI AIRPORT FAÇADE

Singapore

The Tiffany & Co. store in Singapore's Changi Airport has opened with a sustainable façade designed by MVRDV. Located in the airport's Piazza Garden, near to the Moshe Safdie-designed Jewel Changi, the store features a one-of-a-kind façade that highlights the House's commitment to sustainability. It features a coral-inspired screen, 3D printed using recycled plastic.

Client: Tensoforma

Design: MVRDV

Services provided: façade engineering

Period: 2023-ongoing



TIFFANY & CO. FAÇADE

Palo Alto, California

For the Tiffany & Co. store in Palo Alto, California, architect Shigeru Ban created a flexible façade, with a design capable of changing depending on the conditions. In fact, it is a series of accordion folds made of American oak and glass. Looking at the facade from one side, it appears to be completely made of wood, while from the opposite side it seems to be composed only of sparkling Tiffany blue glass.

Client: Tensoforma

Design: Shigeru Ban Architects

Services provided: façade engineering

Period: 2023



BVLGARI FLAGSHIP STORE FAÇADE

Dubai, United Arab Emirates

For the prestigious Bulgari store at the Dubai Mall, a façade was designed consisting of a frame of steel tubes, arranged in a lozenge, supporting rhombus-shaped glass elements.

Client: Tensoforma

Design: Bulgari

Services provided: façade engineering

Period: 2023



FENDI FLAGSHIP STORE FAÇADE

Istanbul, Turkey

The Fendi flagship store is located in the Istinye Park Mall, a luxury boutique of the Italian fashion house that offers designer clothing, accessories and leather goods. BUROMILAN was responsible for the engineering of the store's facade, designing a metal structural system to support large glass facades.

Client: Tensoforma

Design: Fendi

Services provided: façade engineering

Period: 2020



BULGARI STORE FACADE

Kuala Lumpur, Malaysia

Inspired by the historic gray-green veined marble frames typical of the via Condotti Bulgari store, the new facade of Bulgari Stores combines concrete, resin and brass. It is a prototype for the restyling of the Bulgari world image. An approach with infinite combinations of shapes, lights and colors that will give Bulgari stores an immediate, unmistakable identity.

Client: Tensoforma

Design: MVRDV

Services provided: façade engineering

Period: 2018



PRADA FLAGSHIP STORE FAÇADE

Dubai, United Arab Emirates

Prada inaugurates its new flagship store in Dubai at the Dubai Mall's Fashion Avenue, the extension dedicated to the most prestigious luxury brands, characterized by a unique visual identity. Tensoforma, with the consultancy of Milan Ingegneria, realizes the external facade, conceived as a tribute to the French-Venezuelan artist Carlos Cruz-Diez as a kinetic artwork composed of imposing gold and silver backlit metal blades.

Client: Tensoforma

Design: Prada

Services provided: façade engineering

Period: 2017



D&G STORE FACADE

Dubai, United Arab Emirates

The new D&G Store in the Dubai Mall is an architecturally complex and sophisticated project, characterised by lightness and versatility. BUROMILAN is a consultant for Tensoforma in the design of the façade, a perfect combination of innovation and aesthetic taste, embellished with an extremely shiny veined finish. Large monolithic panels are anchored to a steel substructure, paying particular attention to make the joint between them imperceptible, also thanks to the continuity of the grain.

Client: Tensoforma

Design: D&G

Services provided: façade engineering

Period: 2017



FERRARI WINERY

Trento, Italy

The Lunelli Group, a historic producer of Italian sparkling wines, devoted to quality and pursuing a way forward in communicating the excellence of their products, has launched a plan to improve and expand the Trento production site.

Client: Ferrari F.lli Lunelli SpA

Design: BUROMILAN

Services provided: architectural, structural and MEP design, architect of record, general and structural site supervision, health and safety coordination

Period: 2019–ongoing

Amount: € 13.000.000



PRADA FOOTWEAR PRODUCTION AND RESEARCH CENTRE

Valvigna, Italy

The Prada Research Center is located in the area formerly occupied by the “Ex Cementegola” complex and comprises four independent volumes devoted to research and manufacturing activities; offices, gallery, warehouses and car parks are integrated in the surrounding natural landscape. Structures were built using a concrete modular system, integrated with steel and glass.

Client: Prada Industriali S.p.A.

Design: Arch. Guido Canali

Services provided: structural design, project management

Period: 2000-2013

Amount: € 75.000.000



TECNOPOLO – RESTORATION OF THE FORMER TOBACCO FACTORY

Bologna, Italy

The former Manifattura Tabacchi complex, designed by Pier Luigi Nervi in the 1950s, is among the major industrial architectures of the 20th century. Due to its strategic location, it was chosen to house the new Tecnopolo of Bologna, the data processing center of the European Weather Center and the most powerful computer in Europe operated by Cineca. The goals of the redevelopment project include respecting the pre-existence, conservative restoration and enhancement of reinforced concrete structures.

Client: ECMWF, Regione Emilia Romagna
Design: GMP von gerkan marg und partner
Services provided: structural design
Period: 2017
Amount: € 48.000.000



7

SCHOOLS AND UNIVERSITIES

POLITECNICO DI MILANO CAMPUS BOVISA

Milan, Italy

In the area of the former gasometers the project for the Bovisa campus of the Milan Polytechnic, signed by Architect Renzo Piano, will rise. The master plan calls for 20 new 16-meter-high buildings, totaling about 105,000 square meters, linked together in a mix of functions that will make it a living neighborhood at all times of the day. With wooden structures and high plant efficiency, it will be an energy-independent, zero-carbon project.

Client: Politecnico di Milano

Design: RPBW Renzo Piano Building Workshop

Services provided: architect of record, architectural support, structural design

Period: 2022-ongoing



POLITECNICO DI MILANO CAMPUS LEONARDO

Milan, Italy

The redevelopment project of the Architecture Campus of the Milan Polytechnic now sees three new buildings dedicated to teaching, integrated with the historic buildings, Trifoglio and Nave designed in the 1950s by Giordano Forti, Giò Ponti and Piero Portaluppi and Viganò's 1970s intervention. The structure is mixed steel and wood, columns and beams are steel with X-Lam wood floors.

Client: Politecnico di Milano

Design: RPBW Renzo Piano Building Workshop, ODB Ottavio Di Blasi & Partners

Services provided: structural design

Period: 2017-2018

Amount: € 20.000.000



STATALE UNIVERSITY – VIA CELORIA CAMPUS

Milan, Italy

In the general perspective of the reorganization of the activities and the headquarters of the University of Milan, the refunctionalization program of the building complex of Via Celoria 10 is one of the most interesting areas of transformation on an urban scale that will involve the city of Milan in the coming years. The project involves on the one hand the renovation of the historic buildings and on the other the creation of new volumes intended to contain all the teaching functions characteristic of a modern University.

Client: Università Statale di Milano

Design: ODB Ottavio di Blasi & Partners

Services provided: design coordination, structural design, site supervision, health and safety

Period: 2022-ongoing

Amount: € 68.000.000



RECTOR'S OFFICE ROMA TRE

Rome, Italy

The new Rectorate of Roma Tre is part of the Ostiense-Marconi redevelopment plan signed by the University and the City of Rome. The project is spread over three nine-story buildings with large glass walls and will host the aula magna, spaces for teaching, meetings and rectorship, telematics spaces, secretariats and offices. The plaza in front is a connecting element equipped for events and performances.

Client: CAM Srl

Design: MCA Mario Cucinella Architects

Services provided: structural design

Period: 2016-2021

Amount: € 43.000.000



MODEL SCHOOL OF SORA

Frosinone, Italy

Scuola Modello is the case study of the “G124” working group of the architect Renzo Piano, as a Senator for Life. The school, to be built in Sora in the Province of Frosinone, in zone 1, the highest for seismic risk, was designed entirely in wood and according to innovative criteria: opening the building to the territory, zero environmental impact, seismic safety and high energy efficiency

Client: Presidenza del Consiglio dei Ministri, Ministero della Pubblica Istruzione, Dipartimento Casa Italia

Design: RPBW Renzo Piano Building Workshop, Alvisi Kirimoto

Services provided: structural design, structural site supervision, health and safety

Period: 2017-2019

Amount: € 7.000.000



FALCK AREAS RENOVATION - PUBLIC WORKS

Sesto San Giovanni, Milan, Italy

The Ex Falck areas were the protagonists of a major redevelopment project within Arch. Renzo Piano's Master Plan that included new residential, commercial and public works. Among them, the "Concordia" preschool and elementary school for 700 children, the "Laminatoio" secondary school for 270 students, a kindergarten for 50 pupils and a 460-space public parking lot are the public facilities included in the redevelopment project.

Client: MilanosestoSpA

Design: Tectoo Architects

Services provided: structural design, health and safety

Period: 2016



CHIARANO PRIMARY SCHOOL

Treviso, Italy

The new two-storey school building in Chiarano has a courtyard allowing natural light in the building; the double height hall and the transparent glass façades also contribute to light permeability. The reinforced concrete structure was designed to seismic risk zone 3 standards and equipped for the use of energy from renewable resources.

Client: Comune di Chiarano

Design: C+S Associati

Services provided: structural and MEP design, site supervision, health and safety

Period: 2008-2013

Amount: € 2.830.000



BOVISIO MASCIAGO SCHOOL

Bovisio Masciago, Italy

PNRR funds will allow the construction of a new primary school in Bovisio, just a few steps away from the current primary schools, which will only be demolished when the new structure is completed, to allow school activities to continue. The old school will then be replaced by a city park. The new building has three above-ground and one underground level, while the roof will house the photovoltaic system.

Client: Comune di Bovisio Masciago

Design: Andrea Maffei Architects

Services provided: structural design, site supervision, health and safety coordination

Period: 2023-ongoing

Amount: € 8.053.000



SAN SEVERO SCHOOL

Foggia, Italy

The main objective of the project for the new school complex in Via Mazzini is to restore a quality space for the school's main users, the children, and in a broader sense to offer a service to the neighbourhood community that orbits around the school. This cardinal principle is declined and modulated from time to time at all scales of the project, from the urban insertion of the building to the functional and technical details.

Client: Comune di San Severo

Design: TAMassociati

Services provided: structural design, general and structural site supervision, health and safety coordination, sustainability

Period: 2017-2022



BORGO ROSSI KINDERGARTEN

Piove di Sacco, Padua, Italy

The project involves the demolition of the existing kindergarten, built in 1972, and the reconstruction of a new modern building with the same intended use. The building consists of a single floor without basements. A characteristic element of the project is the presence of three 'chimney' roofs in correspondence with the classrooms, with an asymmetrical truncated cone shape and culminating in a square skylight.

Client: Comune di Piove di Sacco

Design: Studio AACM

Services provided: structural and fire protection design

Period: 2022-ongoing

Amount: € 1.612.800



NEW NURSERY SCHOOL CENTRE SUZZARA

Suzzara, Italy

The municipality of Suzzara, through the PNRR, intends to build a new nursery school complex on its municipal territory by means of building replacement with demolition of the old school complex in Via Lambrakis. The school is developed on two levels within a circular plan that aims at enhancing the quality of the environment, the external views, the relationship with the courtyard and the fluidity of the internal paths, guaranteeing the best possible natural light inside the spaces.

Client: Comune di Suzzara

Design: Tectoo S.r.l.

Services provided: structural design

Period: 2023–ongoing



BUSCAGLIA NEW SCHOOL

Novara, Italy

The project is located in the northern residential district of the Novara area. The new school complex is designed pursuing the principles of structural and anti-seismic safety, respect for the architectural design, optimisation of thicknesses and encumbrances, and the choice of the most suitable construction solutions in terms of cost, execution time, resilience and flexibility in relation to the strategic importance of the building.

Client: Comune di Novara

Design: Studio Traccia

Services provided: structural and fire protection design

Period: 2022-ongoing



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HEALTHCARE

SURGERY CHILDREN'S HOSPITAL OF EMERGENCY

Kampala, Uganda

Emergency's new hospital is located in Entebbe, on the shores of Lake Victoria, about 35 km from Kampala. It is among the most important centers of excellence in Sub-Saharan Africa.

Designed by the architect Renzo Piano with TAMassociati, it offers free specialized care to children in need of surgery with advanced techniques and highly qualified staff. The earth from the excavations was used as raw material for the construction of the load-bearing masonry, following the construction tradition of terra pisé.

Client: Emergency ONG Onlus

Design: RPBW Renzo Piano Building Workshop, TAMassociati

Services provided: structural design, structural site supervision

Period: 2013-2020

Amount: € 18.000.000



NEW GREEK HOSPITALS

Komotini, Thessaloniki, Sparta, Greece

Stavros Niarchos Foundation is a philanthropic organization that funds projects in the fields of art, culture, education, health, and social welfare, and commissioned Arch. Renzo Piano to design three new health facilities for the Greek National Health System. They are two general hospitals, in Komotini and Sparta, and a new university children's hospital in Thessaloniki, designed with wooden structures, glulam columns and beams supporting X-Lam floors.

Client: Stavros Niarchos Foundation
Design: RPBW Renzo Piano Building Workshop
Services provided: structural design
Period: 2018–2023
Amount: € 75.000.000, € 101.000.000, € 64.000.000



NEW CREMONA HOSPITAL

Cremona, Italy

The project proposes a new model of healthcare architecture from which emerges a holistic vision of the health and well-being of the person, in close connection with territorial systems and the health care network. The New Hospital of Cremona integrates with the sociocultural context, becoming a health center that houses not only diagnostic and treatment services, but also spaces for social interaction, for recreation, to enhance the value of well-being and personal care.

Client: ASST Cremona
Design: MCA Mario Cucinella Architects
Services provided: structural design
Period: 2023-ongoing
Amount: € 200.000.000



ISMETT 2 HOSPITAL

Palermo, Italy

The 256-bed health facility was designed with the harsh experience of the pandemic in mind: there will be 42 intensive care beds in ordinary conditions, and the remaining 214 in sub-intensive care. The areas, which are functionally isolated and independent from those dedicated to the care of ordinary patients, will allow patients with chronic non-communicable diseases to continue to be managed.

Client: Regione Sicilia

Design: RPBW Renzo Piano Building Workshop, Progetto CMR

Services provided: structural design

Period: 2021-2023

Amount: € 180.000.000



TOG

Milan, Italy

The need to build a new headquarters for the TOG Foundation stems from the increase in the number of patients to be cared for and demands for services. The project's innovative approach aims to stand as a comprehensive model of support and care for children's neurological disability.

Cliente: Fondazione TOG

Servizi forniti: design coordination, structural design, general and structural site supervision

Periodo: 2021-2023

Importo opere: € 9.600.000



PAEDIATRIC RESIDENTIAL HOSPICE

Bologna, Italy

Founded in 2002, the Fondazione Seràgnoli operates in the field of palliative care and provides care to terminally ill patients. The new paediatric hospice building designed by Renzo Piano is located in Bologna, near the city's hospital. The paediatric residential hospice occupies two thirds of the lot together with a large green area, while the remaining part accommodates an Italian Red Cross building.

Client: Fondazione Hospice Maria Teresa Chiantore Seràgnoli Onlus
Design: PBW Renzo Piano Building Workshop
Services provided: structural design, structural site supervision
Period: 2015-2023
Amount: € 31.000.000



NEW HOSPITAL IN SIRACUSA

Siracusa, Italy

The design competition for the new hospital in Siracusa is geared towards respect for the environment. The adaptive and innovative structure will consist of outpatient clinics, ER and diagnostics, 16 surgeries, 425 rooms, and 1.400 parking spaces. The bioclimatic aspects are ensured with green roofs, efficient facades, natural light, rainwater collection, photovoltaic panels and green areas.

Client: AASP Siracusa, Regione Sicilia
Design: Studio Plicchi, Ava Architettura Tecnica
Services provided: structural design
Period: 2021
Amount: € 138.000.000



FOGGIA HOSPITAL REDEVELOPMENT

Foggia, Italy

The new hospital complex will contain the following functions: First Reception Services, Public Relations Office, Front Office, Representative Services, Medical Area Operating Units, Connecting hub of the additional pavilions, Logistics Fulcrum, Refreshment Point and Bar, Company Canteen and Auditorium.

Client: Azienda Ospedaliero-Universitaria Ospedali Riuniti di Foggia
Design: Studio Plicchi
Services provided: structural design, structural site supervision
Period: 2020-ongoing



ISTITUTO ORTOPEDICO GALEAZZI NEW HEADQUARTERS

Milan, Italy

The proposal fits within the perimeter of the “former Expo Milano 2015” area. The idea is oriented towards an “architecture for people and for life,” capable of communicating values of respect, welcoming, sharing a vision oriented to the development of health and safety, scientific and social advancement, guarantee of appropriateness and effectiveness in treatment, reduction of clinical risk, the ability to care for and accompany people, seek solutions and better care paths.

Client: G.S.D. Gruppo San Donato

Design: Binini Partners

Services provided: structural site supervision

Period: 2018-2022

Amount: € 250.000.000



CAMERANO HOSPITAL

Ancona, Italy

The new hospital will cover a 35,000-sqm area and will comprise in-patient, diagnostic and therapy wards and biomolecular research facilities. The structure will have 250 beds, six operating theatres, various offices and general services and a canteen. The project also includes works for road access and the arrangement of external areas, the construction of car parks, technical buildings and utilities.

Client: Regione Marche

Design: PFP Planungs, Arch. Jorg Friedrich, Arch. Roberto Melai,

Services provided: project management, structural design

Period: 2009

Amount: € 64.800.000



MONSELICE HOSPITAL CENTRE

Padua, Italy

The project facility, develops horizontally and allows for maximum operational and functional efficiency. The complex occupies an area of 250,000 square meters with a park of 90,000 square meters and 1,850 parking spaces. It can count on 447 beds and cutting-edge medical technologies. The hospital will be equipped with a rainwater recovery system, cogeneration plants and solar panels that can reduce energy consumption by 30 percent overall.

Client: Azienda ULSS n.17

Design: Arch. Aymetic Zublena

Services provided: structural design, structural site supervision

Period: 2006-2015

Amount: € 129.000.000,00



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INFRASTRUCTURES

PEACE BRIDGE

Tbilisi, Georgia

The Tbilisi pedestrian bridge designed by architect Michele De Lucchi is a slender 160-m-long metal structure hanging from a steel and glass lattice roof that takes on the sinuous shape of a leaf. It is a single lightweight membrane firmly anchored to the ground at the two banks of the river on four forked supports. The glass panels were cold-bent on site during assembly.

Client: Tbilisi City Hall

Design: aMDL CIRCLE

Services provided: façade engineering, structural design

Period: 2009-2010

Amount: € 11.500.000



PORT CONTROL TOWER

Genoa, Italy

Renzo Piano has donated the project for a new control tower to the Port of Genoa. The tower, that will replace the one destroyed in the 2013 incident, will become a new point of reference for the city and a place to remember the victims of the incident. It will be located at the edge of Genoa Trade Fair district dockyard. The steel and glass control room, at a height of 70 meters, will be supported by two columns made of stainless steel, concrete and steel, where staircases and lifts will be placed.

Client: Autorità portuale di Genova
Design: RPBW Renzo Piano Building Workshop
Services provided: structural design
Period: 2014-2015
Amount: € 14.000.000



NEW PORT PASSENGER TERMINAL

Messina, Italy

The growth of the cruise industry has prompted the Port Authority of Messina to acquire a new Maritime Terminal. The new Terminal is a totally transparent building with a highly recognizable lightweight corrugated roof made of laminated wood.

Client: Autorità portuale di Messina
Design: ODB Ottavio Di Blasi & Partner
Services provided: structural and MEP design
Period: 2025
Amount: € 3.000.000



ALBENGA AIRPORT REDEVELOPMENT

Albenga, Italy

The Albenga Airport Redevelopment Plan envisages upgrading the existing facilities, making operational the services for airport and non-airport activities: workshops, maintenance areas, aircraft aprons, hangars, business hotels, restaurants, offices. The Masterplan thinks about the enhancement of the area starting from the pre-existing, natural and urban characteristics of the site, according to a program of sustainable, social and economic development, combining innovation, culture and environment.

Client: AVA S.p.A.

Design: OBR Open Building Research

Services provided: structural and MEP design, general, structural and MEP site supervision, health and safety

Period: 2016-2020

Amount: € 116.000.000



DOHA INTERNATIONAL AIRPORT

Doha, Qatar

The new Doha International Airport will become one of the most modern airports in the world, with an annual capacity of 50 million passengers, 320,000 flights and 2 million tons of cargo load, six times more than before the expansion. The new air terminal lounges occupy 60,000 sqm and include waiting areas, check-in areas, activity nodes, snack bars and other services and facilities.

Client: NDIA New Doha International Airport

Design: Antonio Citterio & Partners

Services provided: structural design, structural site supervision

Period: 2008-2014

Amount: € 180.000.000



FALCONARA AIR TERMINAL

Ancona, Italy

The new air terminal of Falconara Airport is part of a complex plan aimed at increasing the airport capacity to cope with the increased demand for both departures and arrivals. The two new rectangular-plan halls, characterised by a minimalistic design, have large glass walls which offer a wide view on the runways and apron.

Client: Aerdorica Srl

Design: GMP von gerkan marg und partner

Services provided: structural design, general and structural site supervision, health and safety

Period: 1999-2004

Amount: € 22.000.000



MARCO POLO AIRPORT AIR TERMINAL

Venice, Italy

The overall renovation process of the Venice Marco Polo airport, now the third busiest in Italy after Rome and Milan, was planned during the 1990 s as a response to the steady increase in the number of passengers. The construction of a new 53.000 sqm air terminal meant a reorganization of all the external works, road network, and car park.

Client: SAVE Aeroporto Marco Polo SpA

Design: arch. Gian Paolo Mar

Services provided: general and structural site supervision

Period: 1997-2002

Amount: € 52.000.000



STATIONS INDUSTRY REHABILITATION

Varese, Italy

The project is to be developed on an urban scale and will give Varese face lift by tearing down the most degraded buildings, reconfiguring the roads and cycle-pedestrian mobility, and constructing a pavilion for social and cultural activities. The project is to transform a 50.000 sqm area with the installation of a new 16.000 sqm natural stone walkway. A large 9.000 sqm meter green area will also be devoted to the planting of 300 trees.

Client: Comune di Varese

Design: OBR Open Building Research

Services provided: structural design, health and safety

Period: 2017

Amount: € 3.500.000



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URBAN REGENERATION

REGIONAL OFFICES PORT OF TRIESTE

Trieste, Italy

The project 'New Regional Offices in a single location in Porto Vecchio, Trieste' intends to consolidate the current regional offices, currently located in 12 different buildings, into four facilities in the picturesque setting of Porto Vecchio in Trieste. This regrouping will accommodate up to approximately 975 employees, guaranteeing a space standard of 25 square metres per employee.

Client: Regione Autonoma Friuli Venezia Giulia
Design: AF517
Services Provided: structural design
Period: 2023-ongoing
Amount: € 102.370.000



MIND MILAN INNOVATION DISTRICT

Milan, Italy

The area where Expo 2015 was built is being re-functionalized with MIND, a city within a city with a strong vocation for innovation. Research institutes including the Human Technopole, dedicated to Life Science, the Human Sciences Scientific Campus of the State University of Milan, the Galeazzi Orthopedic Hospital, and the Triulza Foundation for Social Innovation and Sustainable Development will find a home.

Client: Lendlease

Design: Piuarch

Services provided: architectural support, structural and facilities design

Period: 2020-ongoing



FALCK AREAS RENOVATION

Milan, Italy

A model of ecological and sustainable development that is part of the largest urban regeneration project in Europe, covering an area of 1.45 million square meters. The masterplan envisions the creation of five squares, which will be interconnected through both pedestrian and vehicular pathways. Spanning the area, there will be a one kilometer boulevard, designed for leisurely walks and equipped with a variety of commercial activities. It will connect the old and the new Sesto San Giovanni.

Client: MilanoSesto SpA

Design: Foster + Partners

Services provided: structural design

Period: 2022-ongoing

Amount: € 72.500.000



FALCK AREAS RENOVATION - RPBW MASTERPLAN

Sesto San Giovanni, Milan, Italy

The Ex Acciaierie Falck steel mills, settled in Sesto San Giovanni in an area covering an area of 1,300,000 square meters, are the subject of an urban redevelopment program in Arch. Renzo Piano's first Masterplan, which included road works, public transportation, public buildings and residences with the aim of recovering abandoned urban spaces by creating new centralities and protecting historic buildings.

Client: Sesto Immobiliare SpA

Design: RPBW Renzo Piano Building Workshop

Services provided: structural design, environmental works and remediation

Period: 2011-2019



MARE - REDEVELOPMENT PROGRAM

Lido di Venezia, Italy

The project involves the redevelopment of the former Al Mare Hospital complex, in Lido di Venezia. It consists in the construction of a technology park with offices, residences and related services, including theatre, restaurants, bars, kindergarten, library and gyms, which all be part of MARE Technopark.

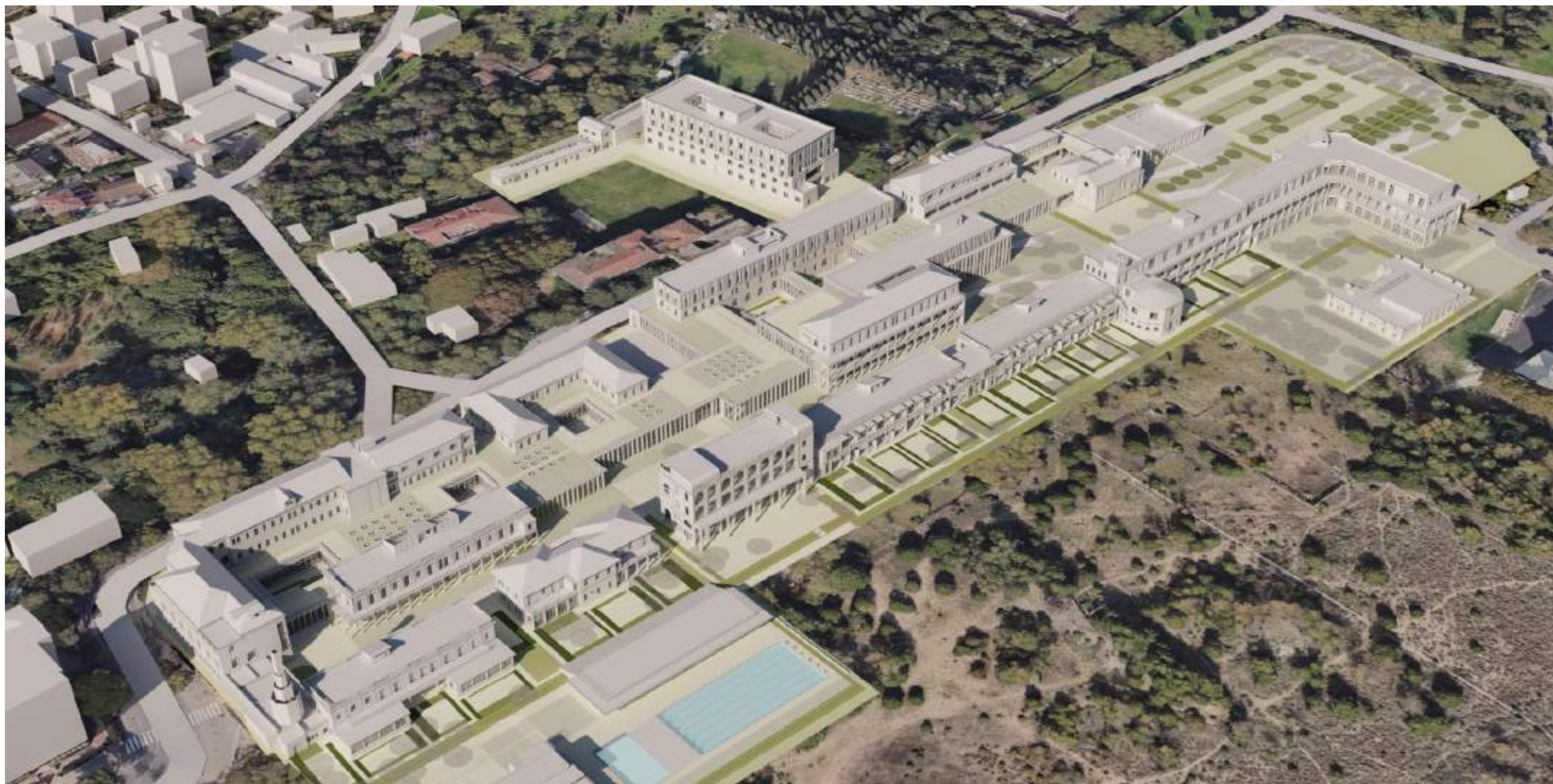
Client: GT3 - Lido Immobiliare Srl

Design: TA Architettura

Services provided: structural design, structural site supervision

Period: 2018-ongoing

Amount: € 130.000.000



LE ALBERE: FORMER MICHELIN AREA REHABILITATION

Trento, Italy

The project, an innovative example of sustainable construction, consisted of the creation of 300 dwelling units, a 30,000 sqm business area, a car park, 30,000 sqm of roads and sidewalks and a five-ha park inside the 11-ha area of the former Michelin factory site in Trento. Renewable energy resources, materials locally available and “LEED” and “Casa Clima” certification schemes were used as part of the project.

Client: Iniziative Urbane SpA

Design: RPBW Renzo Piano Building Workshop

Services provided: structural design, structural site supervision

Period: 2008-2013

Amount: € 148.900.000



PORT REDEVELOPMENT IN SANTA MARGHERITA LIGURE

Genoa, Italy

The redevelopment of Santa Margherita Ligure's waterfront proposes a new model of sustainable development, capable of becoming a driver for the city's tourism sector and economy.

The redevelopment works include the redevelopment of the harbor, the construction of restaurant, stores, wellness center and library with underground parking and heliport.

Client: Santa Benessere & Social S.p.A.

Design: OBR Open Building Research

Services provided: structural design

Period: 2017

Amount: € 25.800.000



SISTIANA BAY

Trieste, Italy

The bay of Sistiana, on the southern coast of the Gulf of Trieste on the Adriatic Sea, originally an abandoned quay, has been regenerated to increase the city's tourism value through skillful and careful landscaping and the construction of a marina and a fine tourist complex.



BAYSIDE GIBRALTAR

Gibraltar, United Kingdom

The proposed redevelopment of Bayside Central aims to completely regenerate the area, transforming it into a vibrant mixed-use neighbourhood. The development will feature a mix of residential units, office and retail spaces, and commercial spaces, complemented by a series of communal areas such as a gymnasium, spa and lounge areas overlooking a new public plaza.

Client: TNG Realty
Design: CZA Cino Zucchi Architetti
Services Provided: structural and facade design
Period: 2022-ongoing
Amount: € 61.000.000



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CONSERVATIVE RESTORATION

NEW COLOSSEUM ARENA FLOOR

Rome, Italy

The Project plans to restore the full composition of the largest amphitheater in the ancient world, which is estimated to have held up to 87,000 spectators. A sophisticated rototranslation mechanism of the panels, which are the components of the platform, allows the underground to be viewed, allowing ventilation and natural lighting.

Client: Ministero della Cultura - Parco Archeologico del Colosseo
Design: Labics + Arch. Fumagalli
Services provided: design coordination, structural and MEP design, structural site supervision, health and safety
Period: 2021-ongoing
Amount: € 9.500.000



RESTORATION OF THE BASILICA PALLADIANA

Vicenza, Italy

The Basilica Palladiana, a UNESCO World Heritage Site since 1994, was severely damaged during World War II and then restored after the war. In 2007, an intervention to restore the entire complex began, fully respecting the monumentality and architectural values of the building, making it possible to halt the ongoing processes of degradation.

Client: Comune di Vicenza

Design: P. Marconi, S. Perez Arroyo, E. Vassallo, A. Donadello Architects

Services provided: structural and MEP design, structural site supervision, health and safety

Period: 2003-2012

Amount: € 15.000.000



RESTORATION OF THE ORANGERIE AND THE ROYAL PALACE GARDENS

Turin, Italy

The buildings of the Orangerie are located on the northern border of the Lower Gardens of Palazzo Reale in Turin. The restoration project concerns the reception facilities for visitors and will provide a walkway connecting the terraces surrounding the Upper Gardens and the Royal Museums. The work will allow for a new view from the Royal Museums onto the northern area of the city.

Client: Invitalia S.p.A.

Design: : Isolarchitetti

Services provided: structural design, structural site supervision

Period: 2018–ongoing

Amount: € 8.320.000



GLASS WALKAWAYS OF BASILICA AQUILEIA

Udine, Italy

The mosaics of the Basilica of Aquileia date from the 4th century AD, are among the best preserved in the entire West and are among the monuments protected by UNESCO. To make the work visitable, a system of glass pathways was devised, suspended one meter from the decorated floor, and designed so that they can be removed without leaving any trace. The stainless steel structure is anchored directly to the column bases, and tempered glass plates rest on it.

Client: Curia Arcivescovile di Gorizia

Design: ODB Ottavio Di Blasi & Partners, Simonetti and Tortello Architects

Services provided: structural design, structural site supervision

Period: 1994-2001



PALAZZO DEGLI INNOCENTI

Florence, Italy

Brunelleschi's innovative design for the "Spedale dei fanciulli" was created in the 1400s to promote child care. Its restoration tripled the size of the museum and services, increasing from the 350 square meters of the current Gallery to an area of more than 1,000 square meters. The proposal aimed to enhance the historical and archival heritage of the Institute, but also its daily activities.

Client: Istituto degli Innocenti di Firenze

Design: Ipostudio, Pellegrini, Scarponi and Vassallo architects

Services provided: structural design, structural site supervision, set up structural project

Period: 2008-2011

Amount: € 6.700.000



RESTORATION OF BAGRATI CATHEDRAL

Kutaisi, Georgia

The restoration of Bagrati Cathedral is a very complex project, where conservative attention is combined with relevant attention to architectural quality. It involves critical reintegration within the framework of a fine example of 11th-century Georgian architecture, through the inclusion of replacement elements repurposed with modern materials.

Client: Local government under the auspices of UNESCO
Design: Arch. Andrea Bruno
Services provided: structural design
Period: 2011-2012



MINISTRY OF INTERNAL AFFAIRS AND TAX OFFICE

Tripoli, Libya

The Offices of the Libyan Ministry of Interior and Taxes and Fees are located inside two fine buildings in Tripoli, designed between 1936 and 1937 by Italian architect Di Fausto. The renovation of these buildings aims to reorganize the interior spaces to meet new functional needs while respecting the original architectural features.

Client: ODAC Organization Developments Administrative Centers, FINASSET

Design: ODB Ottavio Di Blasi & Partners

Services provided: architectural, structural and MEP design

Period: 2009

Amount: € 9.000.000



PATRIARCHAL SEMINARY

Venice, Italy

The Patriarchal Seminary of Venice is located between Santa Maria della Salute and Punta della Dogana. The structural and plant engineering restoration work covers an area of about 8,000 square meters and involves the Picture Gallery, the Chapel of the Holy Trinity, the Seminary offices, the John Paul I Foundation, the new Studio Generale Marcianum, the cloister and the garden.

Client: Diocesi Patriarcato di Venezia

Design: aMDL CIRCLE

Services provided: project management

Period: 2008-2010

Amount: € 18.400.000



CENTRAL HYDRODYNAMIC RENOVATION

Trieste, Italy

The Trieste hydrodynamic power plant is located within the old port district in an environment with a strong historical value. It is a unique example of industrial archaeology in the world: a former power generator preserved in its entirety and in its original building. The restoration project includes a tour of the building artifact, the definition of new of exhibition and multipurpose spaces of the Maritime Institute of Port Culture (ICMP) Foundation.

Client: Autorità Portuale di Trieste

Design: -

Services provided: structural design, site supervision, health and safety

Period: 2010-2012

Amount: € 4.000.000



NEW GARAGE ITALIA CUSTOMS HEADQUARTERS

Milan, Italy

The AGIP service station in Piazzale Accursio, Milan, was commissioned by Enrico Mattei and designed by architect Mario Bacciocchi in the 1950s. The building – one of the most distinctive of its time – will be restored according to architect Michele De Lucchi's project: Garage Italia Customs' car customisation workshop will open on the ground floor, while the first floor will host chef Carlo Cracco's new restaurant.

Client: Garage Italia Customs Srl

Design: aMDL CIRCLE

Services provided: structural design, general and structural site supervision, health and safety

Period: 2015–2017

Amount: € 5.200.000



PALAZZO RICORDI

Milan, Italy

Located in the heart of Milan, the nineteenth-century Palazzo Ricordi has a surface of 5000 sqm and is intended for commercial and office use. The project consisted of a careful architectural, utility and technological restoration which conserved the external walls while internal spaces were re-arranged according to new functional needs and rules to obtain the “LEED Gold” certification.

Client: Antonello Manuli Holding

Design: Parisotto+Formenton Architetti

Services provided: structural and MEP design, site supervision, health and safety

Period: 2012-2013

Amount: € 10.000.000



PALAZZO TURATI RENOVATION

Milan, Italy

Built in 1880, designed by architect Enrico Combi, Palazzo Turati was damaged during World War II and was rebuilt in the 1950s by Castiglioni architects. Its restoration was planned to house the new headquarters of the Chamber of Commerce and included structural consolidation and plant upgrades.

Client: Techno Holding SpA

Design: Antonio Citterio & Patricia Viel

Services provided: structural and MEP design, health and safety

Period: 2011-2013

Amount: € 15.000.000



THE BOSTON CONSULTING GROUP NEW OFFICE BUILDING

Milan, Italy

The new offices in Milan of Boston Consulting Group are located in an important building overlooking Duomo Square. The building, already refurbished in the last past years, is now in process of restyling. Respecting the typological elements of the building, both formal and structural, it was possible to modify the internal layout operating also on the existing structures.

Client: The Boston Consulting Group
Design: AMA Albera Monti & Associati
Services provided: structural design, structural site supervision
Period: 2014-2015
Amount: € 57.000



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OTHER PROJECTS

OPERA DEL DUOMO

Castelfranco Veneto, Treviso, Italy

The concert hall consists of three volumes: a 45° forward tilted cube hosting the auditorium and two lateral cubes hosting the foyer, various amenities, technical rooms and dressing rooms. Connected with iron and glass walkways, the cubes were built following anti-seismic standards. The concert hall has a raised stage for 40 musicians and 250 seats.

Client: Opera del Duomo

Design: BUROMILAN

Services provided: architectural and structural design, architect of record

Period: 2023-ongoing

Amount: € 5.400.000



AUDITORIUM DEL PARCO L'Aquila, Italy

The concert hall consists of three volumes: a 45° forward tilted cube hosting the auditorium and two lateral cubes hosting the foyer, various amenities, technical rooms and dressing rooms. Connected with iron and glass walkways, the cubes were built following anti-seismic standards. The concert hall has a raised stage for 40 musicians and 250 seats.

Client: Provincia Autonoma di Trento

Design: RPBW Renzo Piano Building Workshop

Services provided: structural and MEP design, structural and MEP site supervision

Period: 2009-2012

Amount: € 6.700.000



PADRE PIO CHURCH, SAN GIOVANNI ROTONDO

Foggia, Italia

The church dedicated to St. Pio of Pietralcina was commissioned by the Capuchin Friars Minor to the architect Renzo Piano in 1990. From the idea of the shape of Nautilus, a fossil rising from the stone ground, Piano thought it could be built with local Apricena stone. A double series of arches arranged in a ragged pattern defined the liturgical space. They are many stone ashlar glued together, then prestressed with harmonic steel cables. A light wooden roof made an extraordinary structure possible and safe.

Client: Ordine dei Frati Minori Cappuccini della Provincia di Foggia

Design: RPBW Renzo Piano Building Workshop

Services provided: structural design

Period: 1996-2004



S.MARIA GORETTI CHURCH IN MORMANNO

Cosenza, Italy

In 2011 CEI (Italian Episcopal Conference) announced a competition for three Church projects among which S. Maria Goretti in Mormanno. The winner project was designed by Mario Cucinella with Maraniello for artistic aspect and Don Zuffi for Liturgy. This competition represents a great effort of the Roman Catholic in order to improve the quality of church architecture.

Client: Diocesi di Cassano all'Jonio
Design: : MCA Mario Cucinella Architects
Services provided: structural design
Period: 2015-2016
Amount: € 1.500.000



RESURREZIONE DI NOSTRO SIGNORE CHURCH IN VIAREGGIO

Lucca, Italy

TamAssociati won the competition for designing the Church of Varignano which will replace the current temporary building. The new church has a rectangular plan, and the parish rooms and rectory are around a central patio. It was designed according to high sustainability standards, and only X-LAM wood is used for all the structures.

Client: Parrocchia della Resurrezione di Nostro Signore di Viareggio
Design: : TAMassociati
Services provided: structural design
Period: 2016-2018
Amount: € 2.760.000



RESTAURANT ON THE TRIENNALE TERRACE

Milan, Italy

The Restaurant on the panoramic terrace of the Palazzo dell'Arte in Milan is an initiative of the Triennale for Expo 2015. The design by studio OBR proposed a simple, entirely transparent volume with clean, rational lines. The pavilion, set back from Muzio's historic facade, is made of thin stainless steel load-bearing profiles that support sliding glass windows.

Client: Triennale di Milano Servizi Srl

Design: : OBR Open Building Research

Services provided: structural design, structural site supervision

Period: 2015



