

**MARAZZI ARCHITETTI**  
**SELECTED PROJECTS**

[www.marazziarchitetti.com](http://www.marazziarchitetti.com)

## Identity and Experience

Marazzi Architetti develops innovative architectural responses to meet the needs of contemporary life, operating at various design scales, from landscape to urban design, from architecture to interior design.

The work of the practice is characterized by a particular experimental attitude; each project is tackled following a real research process, with the aim of providing specific, personalized and never conventional solutions; great attention is paid to the topics of environmental and energy sustainability, to the application of innovative technological solutions and to research on materials.

The office coordinates the entire process required to create architectural works, directly managing all the phases from concept design to authorizations, from executive planning to construction management.

Responsiveness, flexibility and efficiency are the elements that characterize the studio's working method; particular care is reserved to the control of the process both with reference to the general management of the work and to the control of costs and timing.

The projects carried out in Italy and abroad have concerned various types and scales. Among the main themes dealt with are: sports facilities, school buildings, religious buildings, collective residential buildings, industrial buildings.

Planning of sport venues is a topic of particular interest for the office; among the most significant experiences we highlight the master plan for a new large scale Sports Campus for the Metropolitan City of Venice, the designs for the new Sports Hall of Cagliari, for the new Municipal Stadium of Siena and for the redevelopment of the Parma Sports Hall.

Clients include: Abitare In S.p.A., Arcidiocesi di Modena-Nonantola, Municipality of Cagliari, Municipality of Parma, Municipality of Siena, Municipality of Venezia, Confindustria Modena, Corob S.p.A., Davines S.p.A., Elitstroy LLP, Gambro S.p.A., Impresa Pizzarotti S.p.A., Green Field S.r.l./Mammut Club., Mirage Granito Ceramico S.p.A., Parma Infrastrutture S.p.A., S P Setia Bhd Group.(MAL), Tanri Development-Otrar Group (KZ), University of Bologna, Municipality of Krasnoyarsk (RUS).

The awards include the prestigious MIPIM Future Project Award 2011 in the Retail & Leisure category and THE PLAN Future Project Award 2016 in the Mixed-Use category.

The works are exhibited in national and international exhibitions and published in specialized journals and magazines.

## Activities

### For Sport

Sports facilities and the experiences that they offer play a central role in defining the identity of a place and a community; thus we approach sport architecture design with a great attention and a deep sense of responsibility, fusing and integrating the technical dimension and the cultural projection, the eco-environmental sustainability profile and the economic-financial reliability of the initiative.

### For business

Marazzi Architetti acts as true partner for companies, able to manage and coordinate the architectural image at all scales, from the factory to the office, the showroom to the trade fair stand. Architectural design is seen not only in terms of aesthetic enhancement, but in a broader sense, as a tool for rationalising the spatial resources available and improving the quality of the working environment.

### For property development

The profound economic and socio-cultural changes make it necessary to define new urban

models and new architectural typologies. Our strong propensity towards experimentation and research enables us to act as effective partners in the development of innovative property initiatives.

### For the public sector

The responsibility of public institutions to operate in the interests of all means to be able to predict social needs. In the public sector MA are qualified to effectively manage even the most complex scenarios, combining tradition and innovation, realism and vision, while giving great attention to ensuring that the architectural image is coherent with the values and identity of the institution.

### For private clients

The “made-to-measure” home has always represented the ultimate dream for the family. As such, MA start by carefully listening before developing tailor-made designs for private clients in which dreams, functionality, technology and sustainability are brought together in the best possible equilibrium.

## Services

### Direct Services:

- Analysis and feasibility studies
- Concept design
- Definitive design for authorizations
- Working drawings and documentation
- Project management
- Building Information Modeling (BIM)
- Preliminary cost planning
- Detailed cost estimation
- Assistance in tendering and appointment of contractors
- Construction site supervision or artistic supervision
- Final tests and checks coordination
- End of work documentation

### In collaboration with external partners:

- Geological and seismic surveys
- Structural design
- MEP design
- Energy planning
- Acoustic and Lighting design
- Analysis, planning and environmental design
- Safety coordination
- Fire Prevention
- Landscape design

## Arch. Davide Marazzi



- 1974 Born in Mirandola (MO)
- 1993 Diploma in Environmental Physics from ITIS O. Belluzzi - Bologna
- 2000 Master degree in Architecture from Polytechnic of Milan (100/100 cum laude, supervisor Prof. Cino Zucchi)
- 2002 Registration in the Board of Architects of Milan - n. 12831
- 2021 Master of specialization in “Design, Construction & Management of Sport Infrastructures” from Polytechnic of Milan (110/110, supervisor Prof. Emilio Faroldi)

After academic education, vocational training was carried out in prestigious Italian practices: between 1999 and 2004 he worked with architect Cino Zucchi in Milan and later with architect Guido Canali in Parma, involved in projects for commercial buildings and offices and in charge as project architect for a residential plan for a thousand inhabitants in the Portello district of Milan.

In 2004 he founded Marazzi Architetti studio based in Parma, through which he operates in Italy and abroad on various themes and at all project scales.

Passion, vision and accuracy are the traits characterizing the professional profile; a strong technical and technological inclination, combined with a profound knowledge of the sustainability issues and topics ensures a rational and integrated approach to the project right from the initial stages.

Particular care and attention are also reserved to the management and control of the process, with the aim of ensuring the maximum efficiency and speed to the development of the initiatives.

To integrate the project experience acquired through his professional activity, in 2021 he achieved a Master of specialization in “Design, Construction, Management of Sports Infrastructures” from the Polytechnic of Milan with a dissertation entitled “Tailoring Multifunctional Stadiums – the New Arena of Verona as a generator of Sustainability, Opportunities and Active Experience”.

The research work investigates the regeneration process of large obsolete sports venues set in the Italian historical urban fabrics.



Selected works



**08** New Aquatic Centre for the 2026 Mediterranean Games, Taranto (I)



**14** The "Wood of Sport", Venice (I)



**18** Redevelopment of the Sports Hall Bruno Raschi, Parma (I)



**22** Predmostnaya Square area urban development, Krasnoyarsk (RUS)



**26** New residential complex 'Arena Park', Samara (RUS)



**31** Redevelopment of the Foro Italico Tennis Central Stadium, Rome (I)



**36** Villa P, Parma (I)



**40** New residential complex 'Parmavera', Parma (I)



**45** Corob plant redevelopment and expansion, San Felice sul Panaro (I)



**48** New Vittoria high school, Trento (I)



**52** Redesign of the Stadium 'Arena Garibaldi', Pisa (I)



**56** Villa Z, Parma (I)





**61** 'Papillon' multi-purpose complex, Kuala Lumpur (MAL)



**66** 'Mosaic' Serviced Apartments, Almaty (KZ)



**70** 'WoPa' - Civic centre at San Leonardo, Parma (I)



**73** New City of Research & Innovation, Almaty (KZ)



**76** Post-Earthquake Timber Church, Medolla (I)



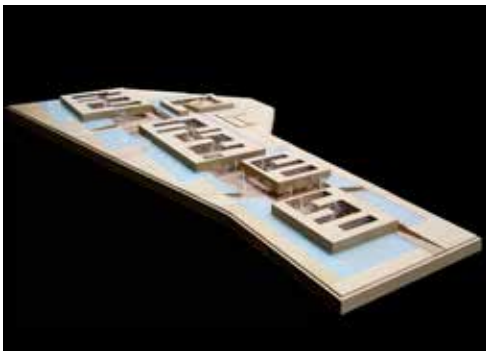
**80** New Alma Mater Museum of Excellence, Bologna (I)



**83** Refurbishment of Mirage Headquarters, Pavullo (I)



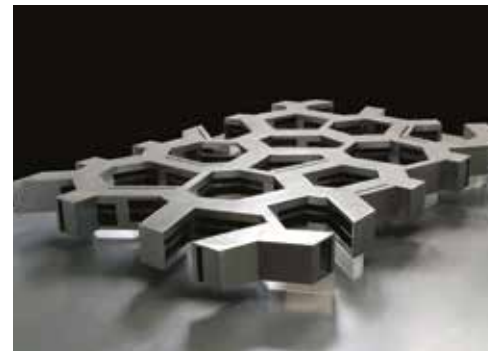
**87** Bezalel Academy of Arts and Design New Campus, Jerusalem (IL)



**91** University Campus of Medical Science, Granada (E)



**96** Mimetic Towers, Fujian (PRC)



**100** New Headquarters for the Province, Arezzo (I)



**103** New Municipal Stadium, Siena (I)



# New Aquatic Centre for the 2026 Mediterranean Games, Taranto (I)

The proposal forecasts a specific and sensitive response, capable of entering into close and refined resonance with the historical, environmental and cultural context of the city of Taranto. Like an organism in symbiosis, the main body gradually emerges from the ground to stretch out to the west, while the outdoor swimming pool and its ancillary spaces are arranged north-south, adapting to the existing topography.





## SCOPE OF WORKS

Two-phases design competition  
**2° Prize**

## CLIENT

Comitato Organizzatore  
XX Giochi del Mediterraneo  
Taranto 2026

## LOCATION

Taranto

## DIMENSIONS

Plot area:  
25.500 sqm  
Indoor swimming pool: 8.900 sqm  
Outdoor swimming pool and other  
facilities:  
3.400 sqm  
Equipped green area:  
7.600 sqm

## CONSTRUCTION BUDGET

15.700.000 €

## TIMELINE

2023

## STRUCTURAL AND MEP ENGINEERING

F&M Ingegneria S.p.A.

The “gaze” of the building is directed towards the open sea while the outdoor swimming pool “captures” the perspectives towards the Aragonese Castle on one side and the Navy station on the other.

The arrangement of the main volume in the gap between the higher urban level and the lower level overlooking the sea simultaneously allows for maximum containment of the visual impact of the new architecture, the protection of a large natural green area and the preservation of unobstructed views towards the sea from the city, the Torre d’Ayala and the future archaeological park.

The complex includes two Olympic-sized pools (indoor and outdoor) designed for swimming, water polo and synchronized swimming, with related ancillary spaces. Each function is assigned a floor or a distinct area of the building; the external ring road circulation allows the clear distinction of the accesses and flows, especially during events, while the internal routes ensure that the building is in full compliance with the hygienic-sanitary requirements.

Large windows favor the very close relationship between the internal space and the valuable external landscape, making the experience of the venue unique and peculiar.





The aim of not causing damage to the environment (DNSH) is pursued through the following solutions:

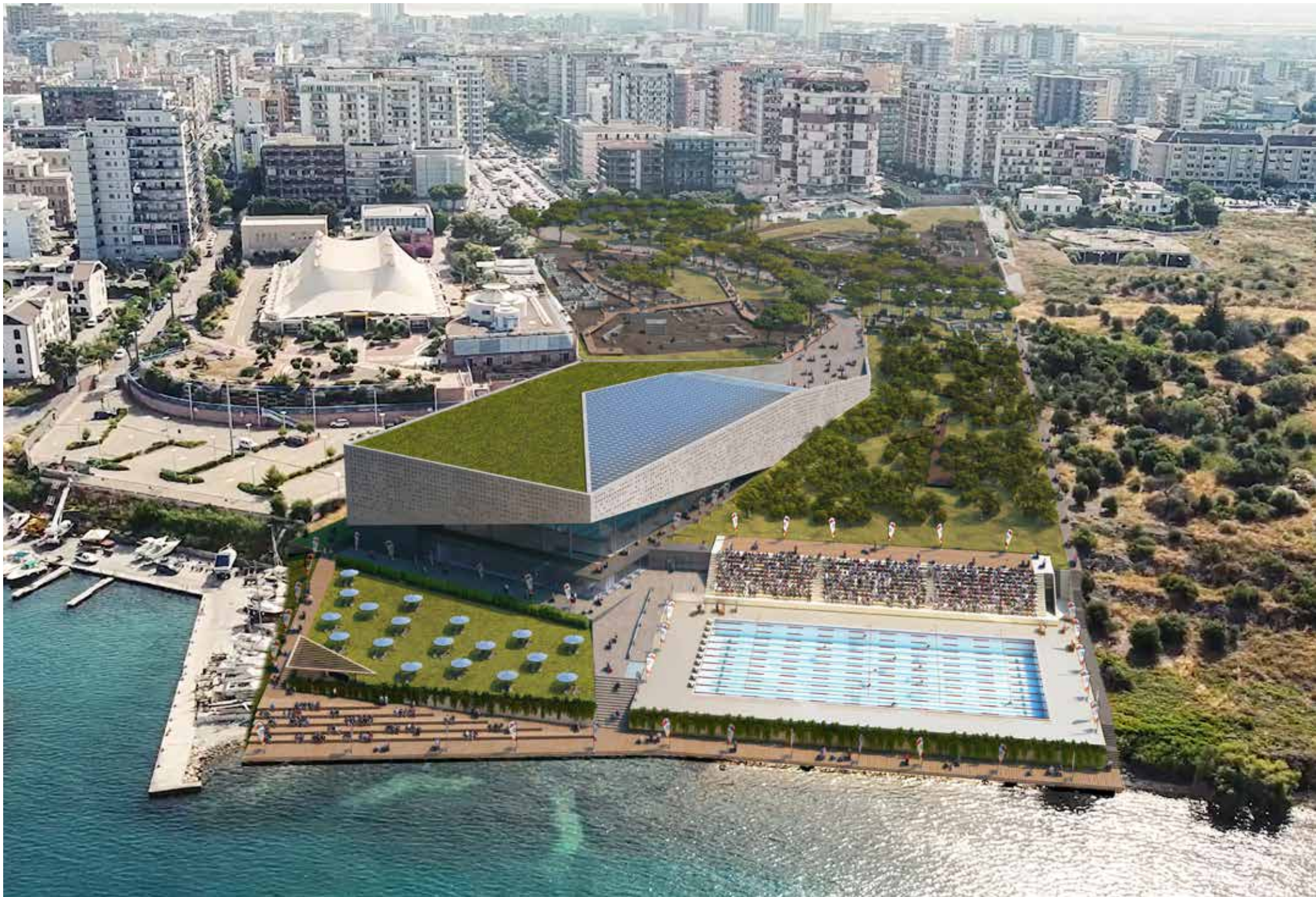
- building compliance with nZEB standard and energy class A4
- “carbon-free” systems with high efficiency multipurpose air-to-water heat pumps
- extensive use of renewable sources (photovoltaic and solar thermal)
- design for passive energy saving (shading overhangs, massive envelopes,

green roof, natural ventilation)

- materials and colors to reduce the heat island effect
- recovery and reuse of rainwater and the reduction of water consumption
- use of an “intelligent and responsive” technology for the treatment of the pool water
- rigorous application of CAM for materials and components.



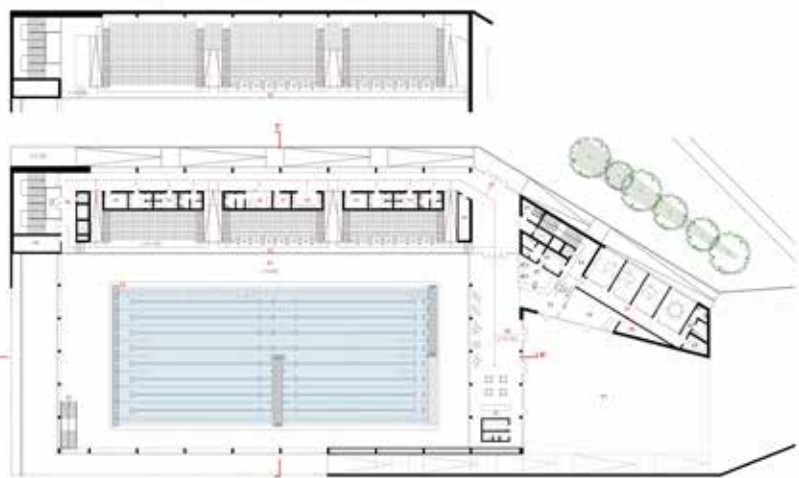






PIANTA PIANO TRIBUNE  
SCALA 1:300

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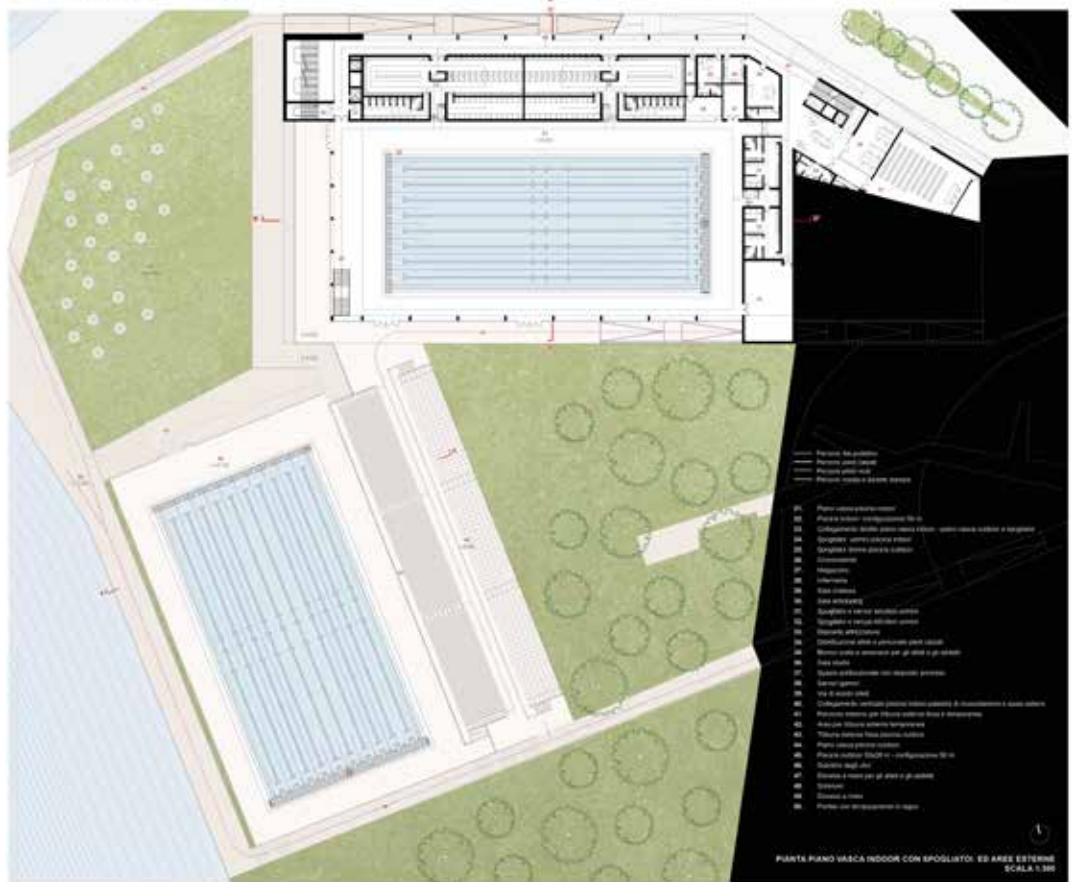


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- 01 Pigiama
- 02 Sala di ingresso principale per il pubblico
- 03 Ingresso ABBE e ufficio edificio
- 04 Spazio verde e giardino per gli atleti e gli ospiti
- 05 Reception
- 06 Spazio ufficio e servizi del personale
- 07 Ufficio amministrativo
- 08 Servizi personale amministrativo
- 09 Magazzino
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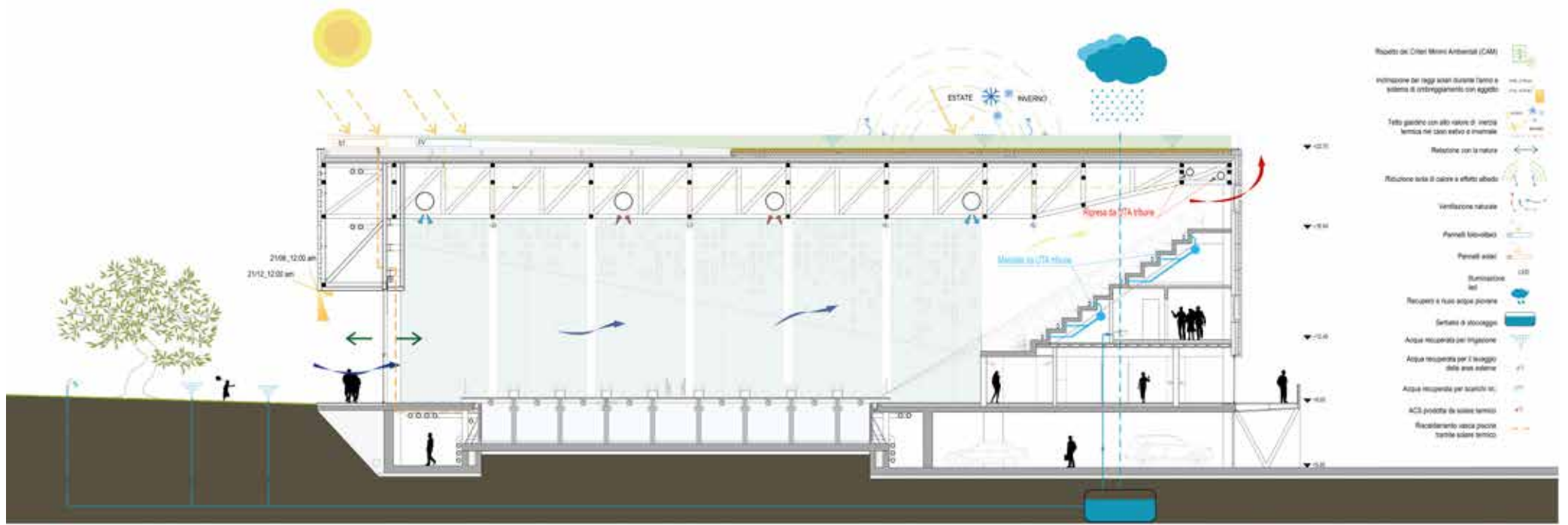


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PIANTA PIANO VASCA INDOOR CON SPOGLIATOIO: ED AREE ESTERNE  
SCALA 1:300









# The “Wood of Sport”, Venice (I)

The plan for the new sports citadel for the metropolitan city of Venice pursues the strategic objective of offering the community a territorial epicenter in which, through the sport, to train the culture of psycho-physical well-being and social cohesion. All in a setting characterized by deep ecological and environmental awareness.





The urban strategy responds to a criterion of efficiency that, by means of the urban concentration of functions with a high demand for mobility, avoids the widespread proliferation of infrastructures, parking lots and services. The proximity to the Marco Polo airport and the construction of a new railway link with a dedicated station will guarantee the appropriate regional interconnections. Inspired by the strong and inseparable relationship between sport, life and health, the design follows an organic and integrated principle which, in its planimetric declination, refers to a DNA strand or a complex cellular system.

At the “Venice Wood of Sport” professional sport, non-competitive practice, training and entertainment will coexist in synergy; more in detail, the functional program includes:

1. a stadium for football and rugby for 16,000 spectators;
2. a multifunctional indoor arena for 10,000 spectators;
3. a square with an outdoor arena for open-air performances and events;
4. a sports education campus which includes:
  - an indoor aquatic center with Olympic swimming pool, 25x12.5m training pool and diving pool;
  - an outdoor leisure pool with wet beach;
  - a beach arena with 6 beach volleyball courts;
  - a racquet club with 3 tennis courts and 5 padel courts;
  - a futsal center with 5 fields;
  - volumes for training institutes and related services, for a total of 14,500 m<sup>2</sup>;
  - volumes for guesthouses and related services, for a total of 10,000 m<sup>2</sup>;
5. spaces for unstructured sport including: 3 basketball courts, 1 soccer field, 1 skate-park.



**SCOPE OF WORKS**

Concept design and urban planning

**CLIENT**

Municipality of Venice

**LOCATION**

Venice (I)

**DIMENSIONS:**

Plot area: 115 ha comprising 79 of woodland

Stadium: 16.000 spectators

Indoor Arena: 10.000 spectators

Educational area and other sports:  
45.000 sqm

**CONSTRUCTION BUDGET**

315.000.000 €

**TIMELINE**

2021 - in progress

**GENERAL MANAGEMENT AND URBANIZATIONS**

F&M Ingegneria S.p.A.

**VIABILITY**

Studio Martini Ingegneria S.r.l.

**SUSTAINABILITY AND ENERGY STRATEGIES**

Manens-Tifs S.p.A.









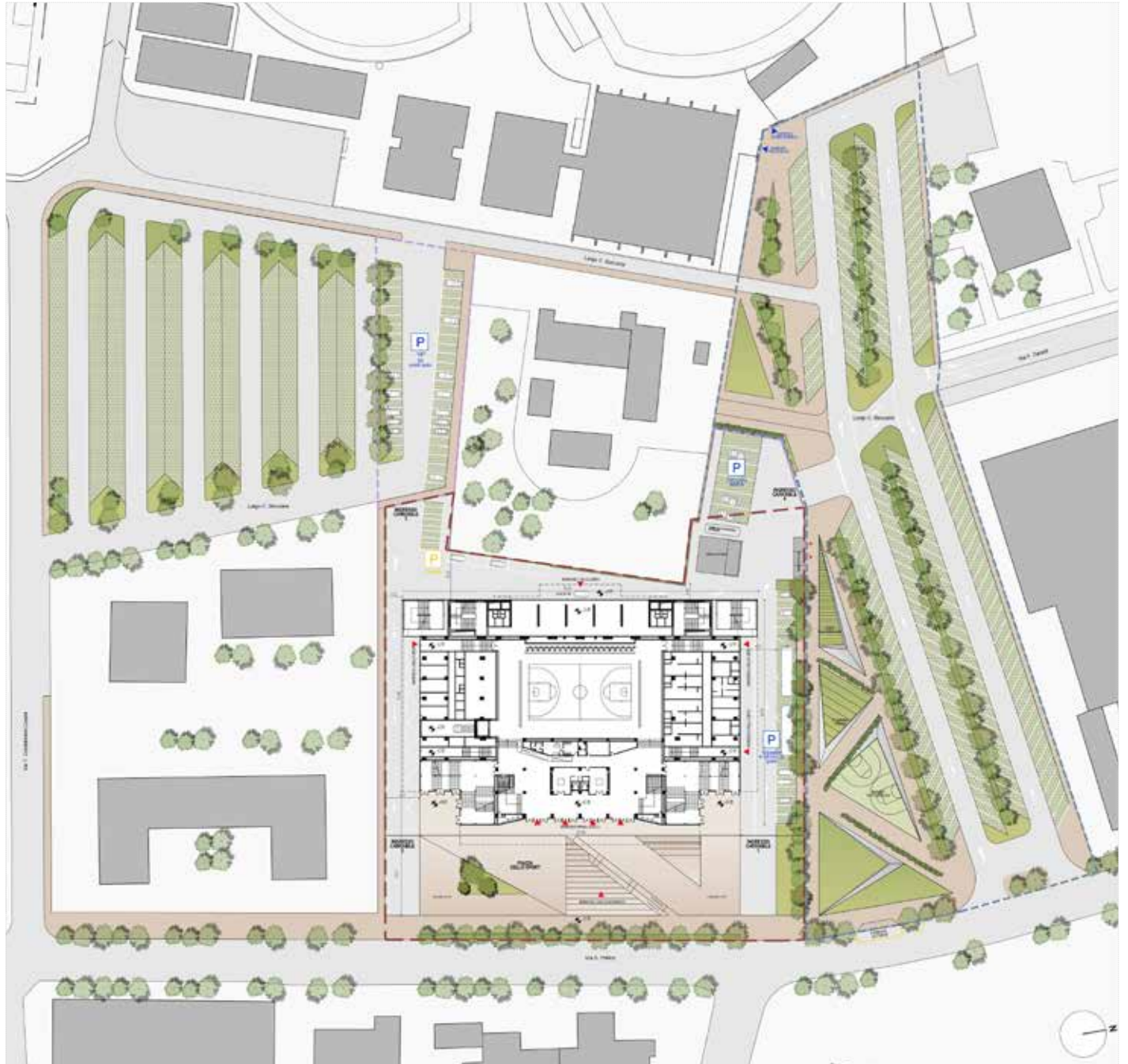


# Redevelopment of the Sports Hall Bruno Raschi, Parma (I)

The feasibility study developed for the Sports hall Bruno Raschi defines possible scenarios to improve efficiency and performances of the main venue for indoor sports events and entertainment of Parma. Owned by the Municipality, built in the 1970s and subsequently expanded, the structure today presents critical elements which include functional aspects, safety management issues, plant engineering elements beside high energy and management costs. The plan for the improvement of the seismic safety of the building also represents a necessary element of evaluation.







**SCOPE OF WORKS**

PFTE

Built area: 18.170 sqm

Outdoor areas: 5.385 sqm

**CLIENT**

Parma Infrastrutture S.p.A.  
(Municipality of Parma)

**CONSTRUCTION BUDGET**

22.260.569 €

**LOCATION**

Parma (I)

**TIMELINE**

2022

**DIMENSIONS**

Plot area: 12.100 sqm

**STRUCTURAL  
ENGINEERING**

Eng. Giuliano Gennari

The project strategy merges a more actual and organic vision for the use of sports facilities and a specific context analysis.

Thus the equation Entertainment-Sport-Health-Sociality-Inclusion, address towards a planning strategy capable of interpreting the new Pala Raschi as an open, active and multifunctional civic epicenter; therefore not a simple container

for occasional professional events but a place for the daily promotion of sporting culture and its values.

The proposal forecasts various levels of development, which can be increased in relation to the financial resources that the public administration will decide to invest over time.

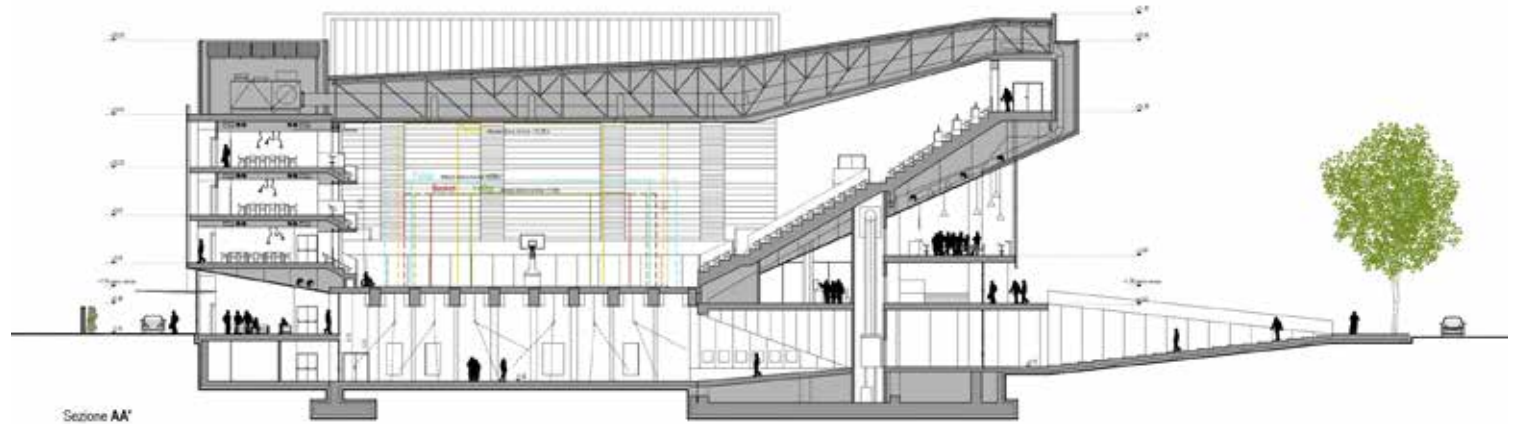




The main design content includes:

- the improvement of external areas and surrounding urban relationships;
- the redefinition of the facades including the improvement of their insulating performances;
- the enhancement of the functional spaces available, the diversification of uses and the extension of the offer of services;
- the energy, plant and management efficiency;
- the qualification of the experience and comfort of spectators, athletes and artists;
- the best integration of routes and systems for the accessibility of people with reduced mobility;
- the efficiency of safety both during sports and public entertainment;
- the improvement of seismic safety.

Finally, as a further development step, the construction of a new wing on the west side is planned, intended to host spaces and services for VIP and Premium spectators.



# Redevelopment of the Predmostnaya Square Area, Krasnoyarsk (RUS)

The Predmostnaya Square area is a strategic place for Krasnoyarsk, the gateway to the historical city center overlooking the Yenisei River and the Ostrov Otdykha Island. We therefore envisaged the plan as a symbol, a manifesto of the political vision for the Krasnoyarsk of the future: an innovative city based on fundamental pillars such as Education, Culture, Ecology and active Sociality.

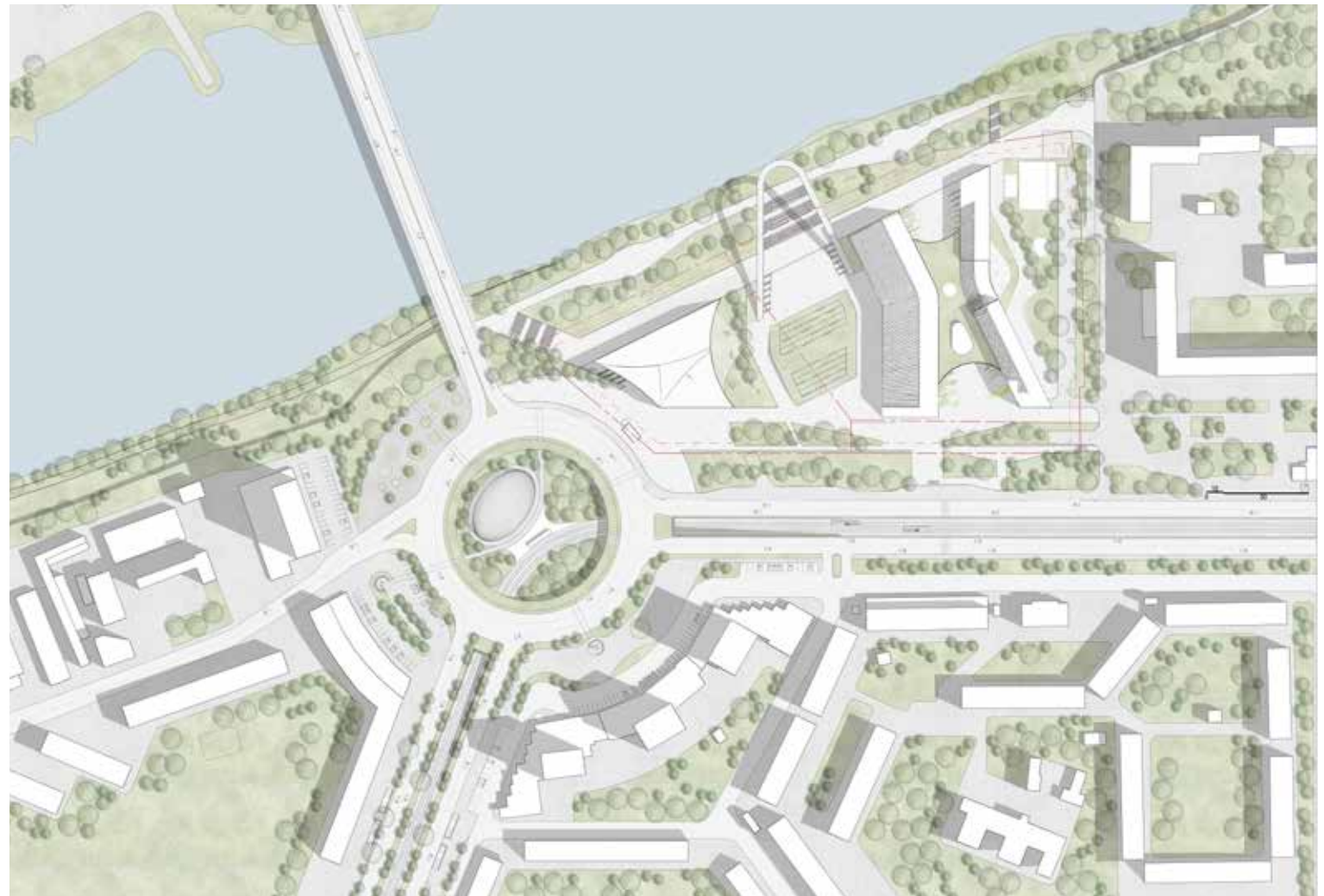




The design, in addition to the infrastructural rationalization of the area and the redevelopment of the riverfront, includes the definition of three strategic public buildings for the city and the local culture: the new headquarters of the prestigious KGAPOU Coreographic College (the Krasnoyarsk Academy of Dance), the new Pozdeev Centre for the creative arts and a new hub for environmental education and information (Eco-hub).

The proposed plan is conceived to enhance the valuable relationship between the city and the river, allowing the city to permeate and extend towards the Yenisei banks and the nature to climb back towards the city to let it improve its breath.

The building is a mosaic of architectures, each of which designed with a specific and distinct language and identity: the Coreographic College is a greenhouse overlooking the river, a magical and bright place where to grow talents and share experiences in a perfect balance with nature; the Pozdeev Centre, designed like a large sculpture, is a dynamic and engaging workshop where, at the same time having the chance of experiencing, exhibiting, learning and producing artistic culture.



**SCOPE OF WORKS**

Two-phases design competition  
**1° Prize**  
 Preliminary architectural design of the Dance & Coreographic College and the Pozdeev Museum

**CLIENT**

Krasnoyarsk Municipality

KPM A-2 LLC

**LOCATION**

Krasnoyarsk, Russia

**DIMENSIONS**

Plot area: 140.000 sqm

Built area: 27.315 sqm

**CONSTRUCTION BUDGET**

45.424.500 €

**TIMELINE**

2021-2022

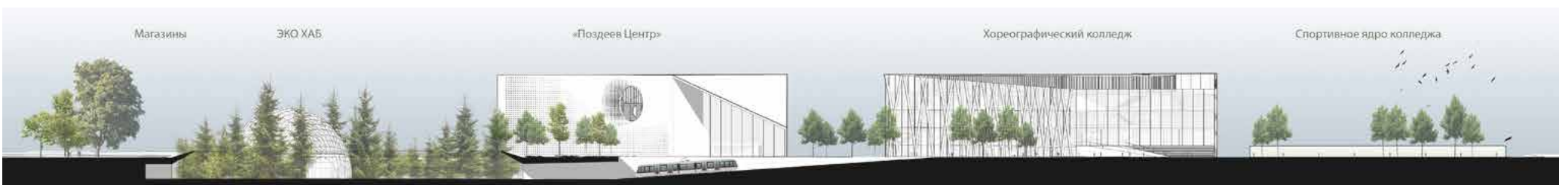
**STRUCTURAL ENGINEERING AND MEP ENGINEERING**

F&M Ingegneria S.p.A.











# New Residential Complex 'Arena Park', Samara (RUS)

The new district is designed for people who desire to find a congenial environment where to build a quality future based on a perfect mix of personal wellbeing, social involvement and economical prosperity. Between the city and the country side, the proposal effectively mixes the main qualities of the two models: the intensity of the city and the coziness/comfort of the rural context.





## SCOPE OF WORKS

Two-phases design competition

3° Prize

## CLIENT

Preobrazhensky Dvor LLC

## LOCATION

Samara, Russia

## DIMENSIONS

Plot area:

93.000 sqm

Built area:

172.700 sqm

Parking and Services area:

37.940 sqm

## CONSTRUCTION BUDGET

6.950.000.000 RUB

## TIMELINE

2020

## STRUCTURAL ENGINEERING

F&M Ingegneria SPA

## MEP ENGINEERING

F&M Ingegneria SPA



Thus, within a dynamic and vibrant environment, every apartment is provided with an outdoor space (loggia, green-house, terrace, garden) conceived and designed as a real extension of the house; a place where to enjoy the sun, the air and where to cultivate their hobbies, passions, plants and vegetables.

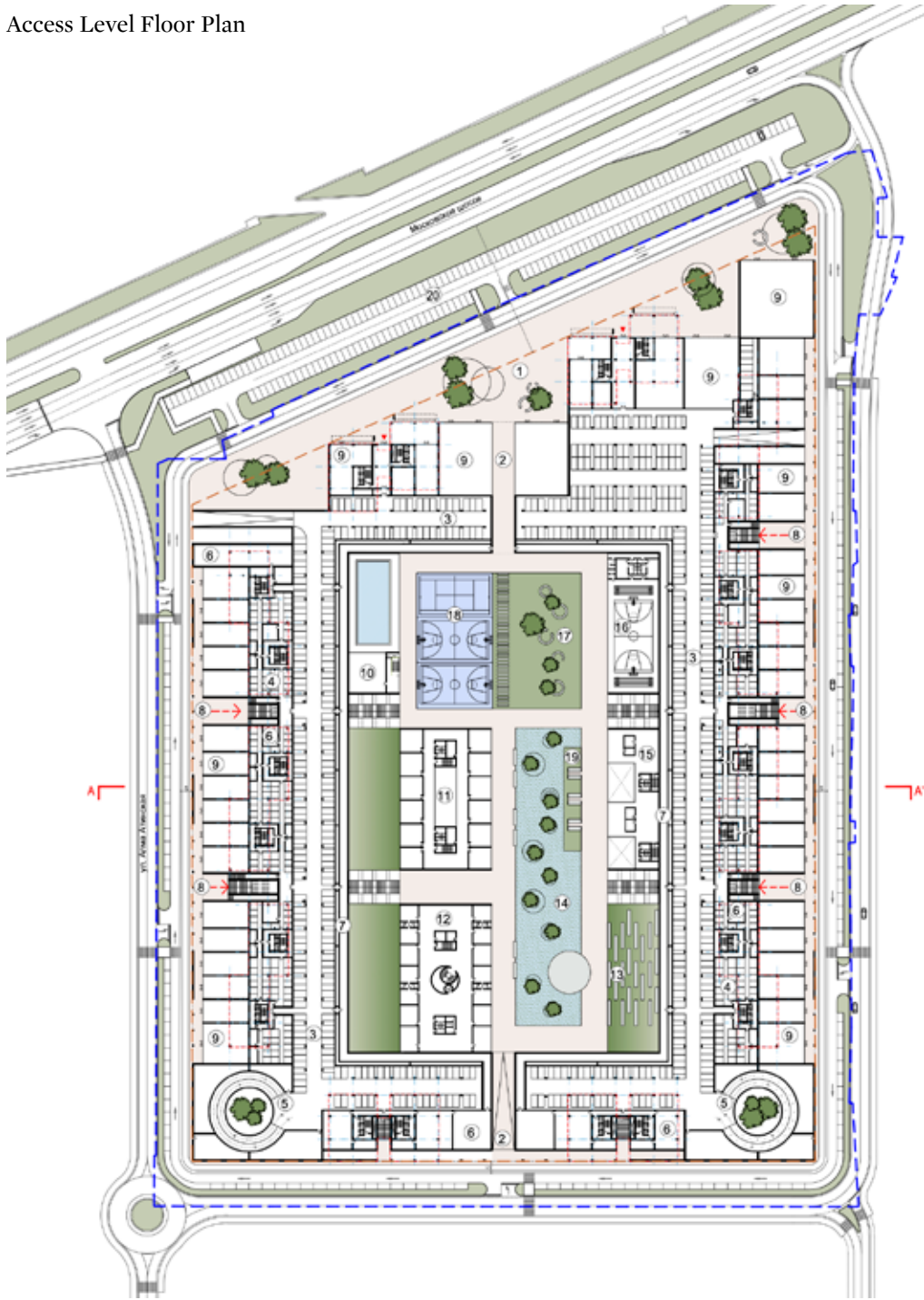
Architectural design re-interprets “genes” of the local cultural background such as the river, the forests, the traditional Russian architectural style. A state of the art language is shaped to

exhibit a positive environment where innovation, engagement, sustainability and future are the drivers.

Real estate marketing effectiveness is guaranteed through a very simple, modular and flexible design of the plans. The whole project is based on two smart modules that have been combined in different ways to give shape to articulated linear buildings on the East and West sides of the plot and to towers of different heights on the South and North sides.



Access Level Floor Plan



Typical Floor Plan





Typical Floor Plans



Type A

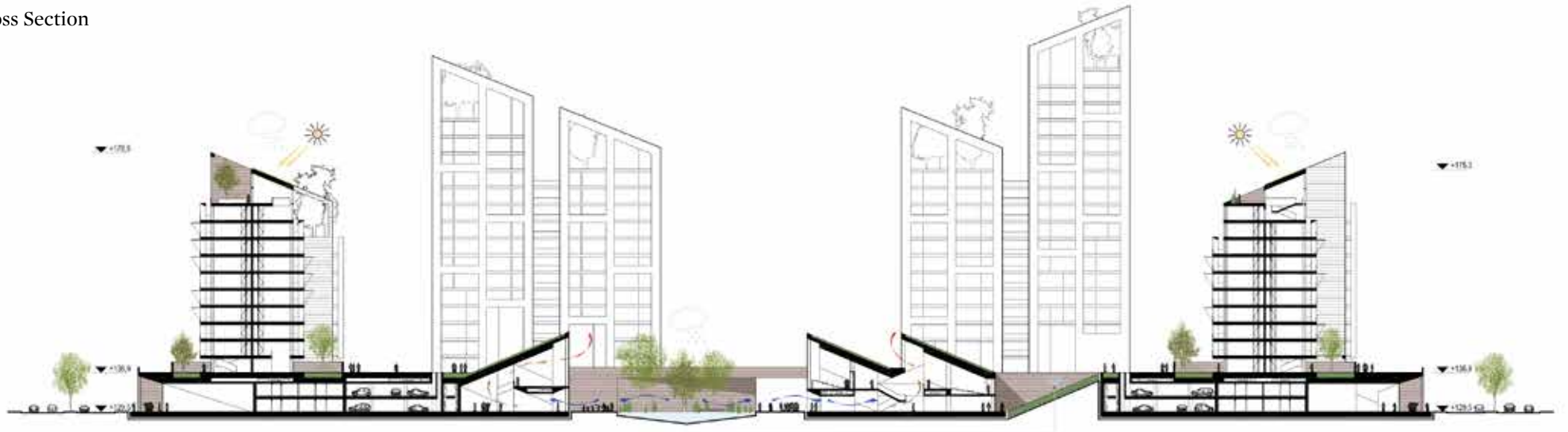


Type B





Cross Section





# Redevelopment of the Foro Italico Tennis Central Stadium, Rome

The project for the central tennis stadium of the Foro Italico envisages a general architectural enhancement, including interventions to increase the capacity and services to the public, the insertion of a mobile roof and the redefinition of the facades.





## SCOPE OF WORKS

Two phases design competition

2° Prize

## CLIENT

Sport & Salute S.p.A.

## LOCATION

Rome (I)

## DIMENSIONS

Built area: 17.900 sqm

Spectators: 12.000

## CONSTRUCTION BUDGET

27.500.000 €

## TIMELINE

2020-2022

## STRUCTURAL ENGINEERING

F&M Ingegneria S.p.A.

## MEP ENGINEERING

SEQUAS Ingegneria Srl

THE NEW MOBILE COVERAGE:



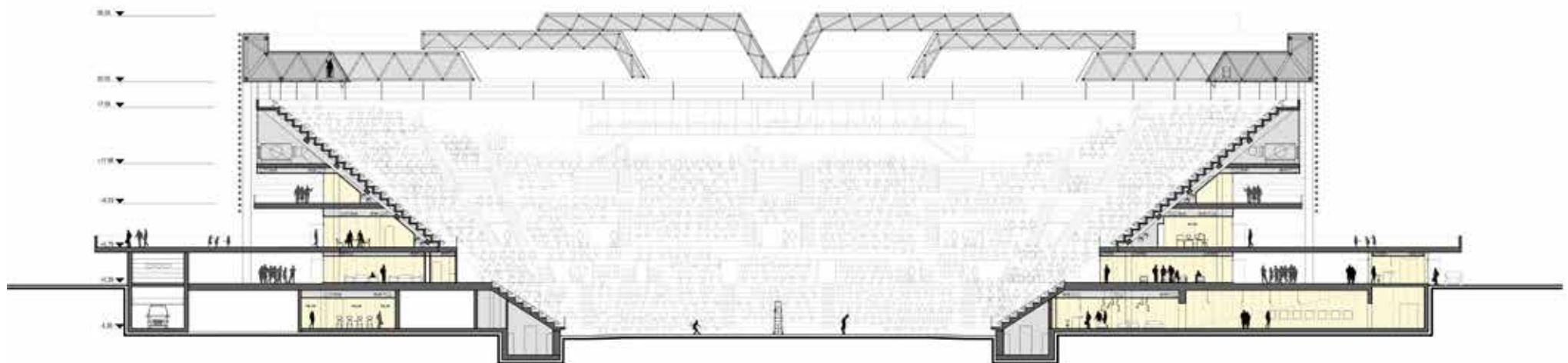
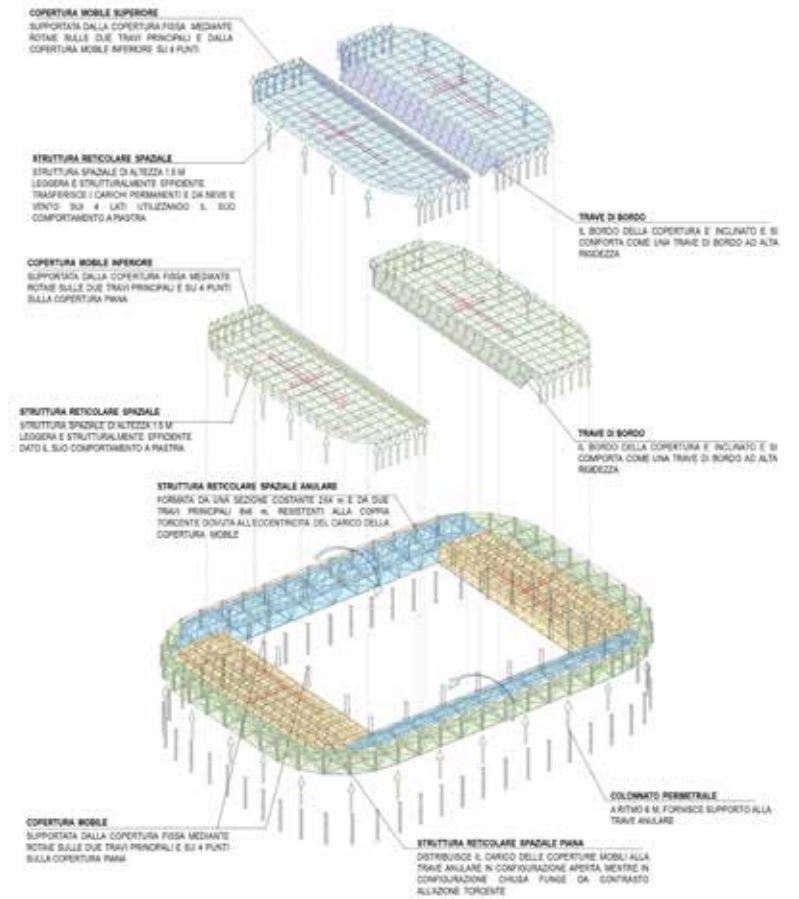
Therefore, the main project drivers include:

- rationalization of routes and logistics with a significant increase of the safety standards;
- optimization of the visibility factor from all sectors;
- the enhancement of the provision of services for each type of user and event;
- flexibility and adaptability of spaces;
- the efficiency and speed of the mobile coverage structure;
- the comfort of the main hall and the internal areas both in terms of thermo-hygrometric and acoustic;
- sustainability, energy saving and ordinary management efficiency.

Furthermore, in order to avoid operational interruptions, the project is designed using solutions and technologies that allow it to be built in the time interval between one tournament and the next.

The definition of the new architectural image is also central; design opts for an essential and austere language, capable of elegantly integrating the building into the monumental context of the Foro Italico. The white metal tubular covering evokes the texture of a stretched fabric, reminiscent of racket stringing.

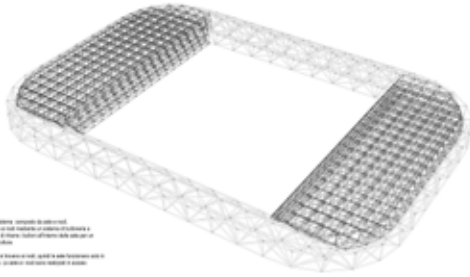




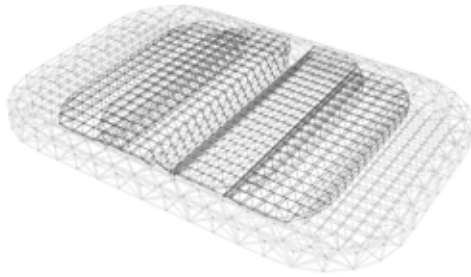


VISTA ASSIMETRICA DELLA STRUTTURA RETICOLARE DI COPERTURA

Copertura spazio



Copertura chiusa



Struttura reticolare in acciaio, composta da tubi di sezione  
circulari, collegati tra loro da nodi di sezione circolare.  
Le tubi sono collegati tra loro da nodi di sezione circolare.  
Le tubi sono collegati tra loro da nodi di sezione circolare.  
Le tubi sono collegati tra loro da nodi di sezione circolare.

SEZIONE LONGITUDINALE DELLA STRUTTURA RETICOLARE DI COPERTURA

Copertura spazio

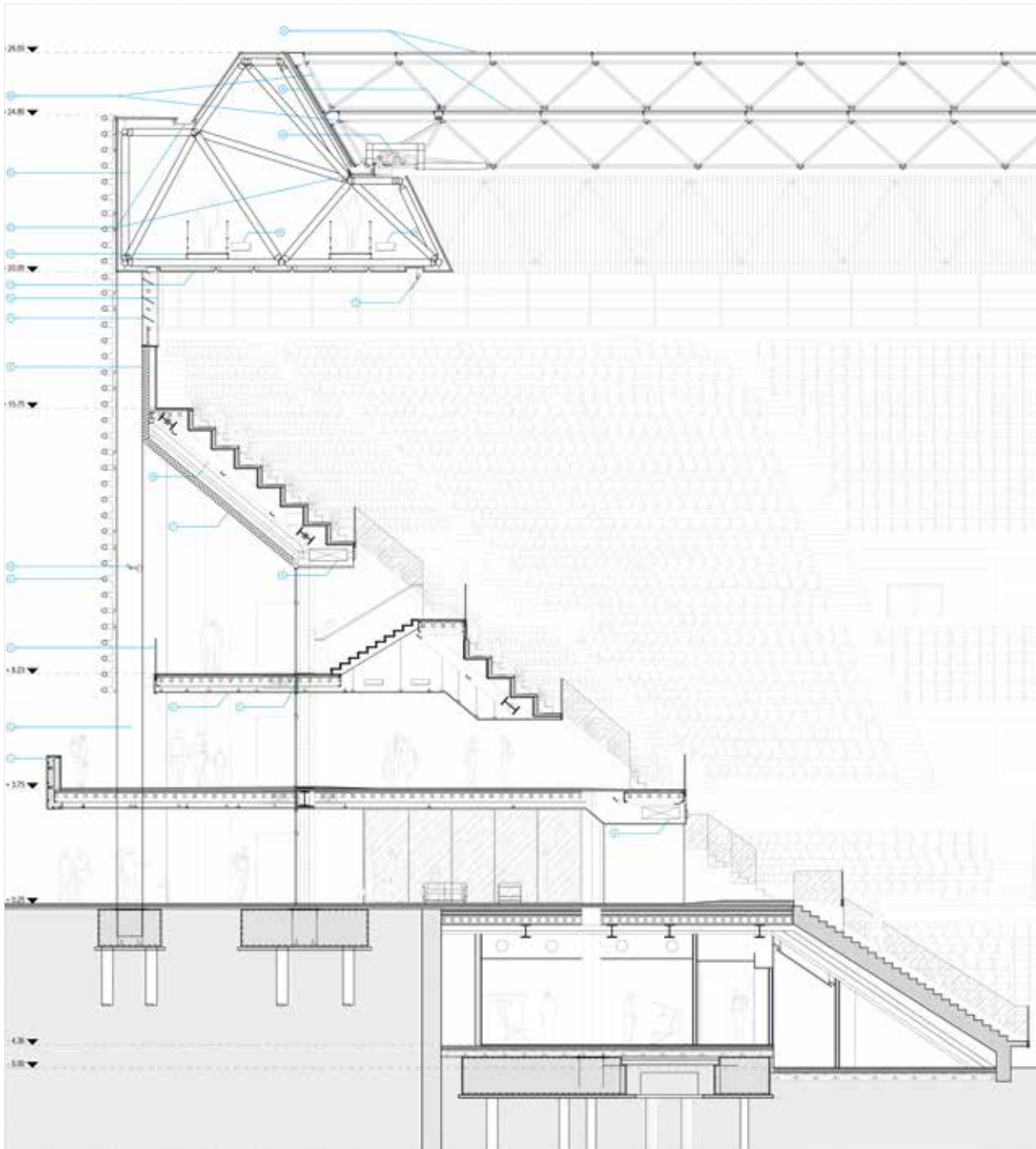
Scala 1:100



Copertura chiusa

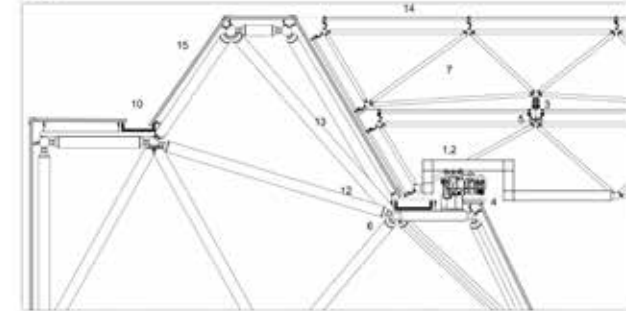
Scala 1:100





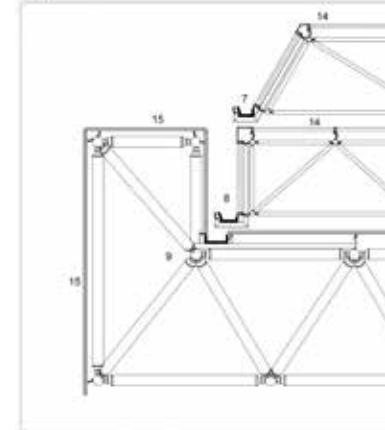
DETTAGLIO 1

Scala 1:20



DETTAGLIO 2

Scala 1:20





# Villa P, Parma (I)

Villa P is the first building intervention as part of an organic project for the regeneration and transformation of a former production area into a new quality residential compound. The site, located on the edge of the San Prospero district, is characterized by the presence of a fascinating wood to the East and the orderly countryside to the South.





The project includes a single-family house on two levels, with large outdoor spaces and a swimming pool; the design of two stereometric volumes relatively rotated by 90° makes the most of both qualified views, towards the forest to the East and the countryside to the South. Thus, different and complementary living experiences are generated: that of the sun and the more intense daytime brightness for the living area on the ground floor and that of the fresh and poetic light of the morning for the sleeping area on the first floor.

The shifting of the floors also makes it possible to enhance the outdoor experience of the house, determining the configuration of multiple and distinct outdoor spaces such as terraces, loggias and porches. A pleasant swimming pool with a small wet beach completes the leisure and relaxation offer of the garden.

With reference to the architectural language, the most obvious choice refers to the different characterization of the two volumes; the idea comes from the intention to let the architecture “react” with both contextual conditions present: the nature on one side and the urbanity on the other. The river stone masonry recovers the Parma building tradition linked to the collection of stone materials from the streams while the plaster finishing refers more directly to contemporary urban languages.



#### SCOPE OF WORKS

Preliminary, final and executive design

#### CLIENT

CYPS S.r.l.

#### LOCATION

San Prospero - Parma (I)

#### DIMENSIONS

Plot area: 1.300 sqm

Built area: 440 sqm

#### CONSTRUCTION BUDGET

N/D

#### TIMELINE

2022- in progress

#### STRUCTURAL ENGINEERING

Eng. Fabio Lugli

#### MECHANICAL INSTALLATION

Studio A+

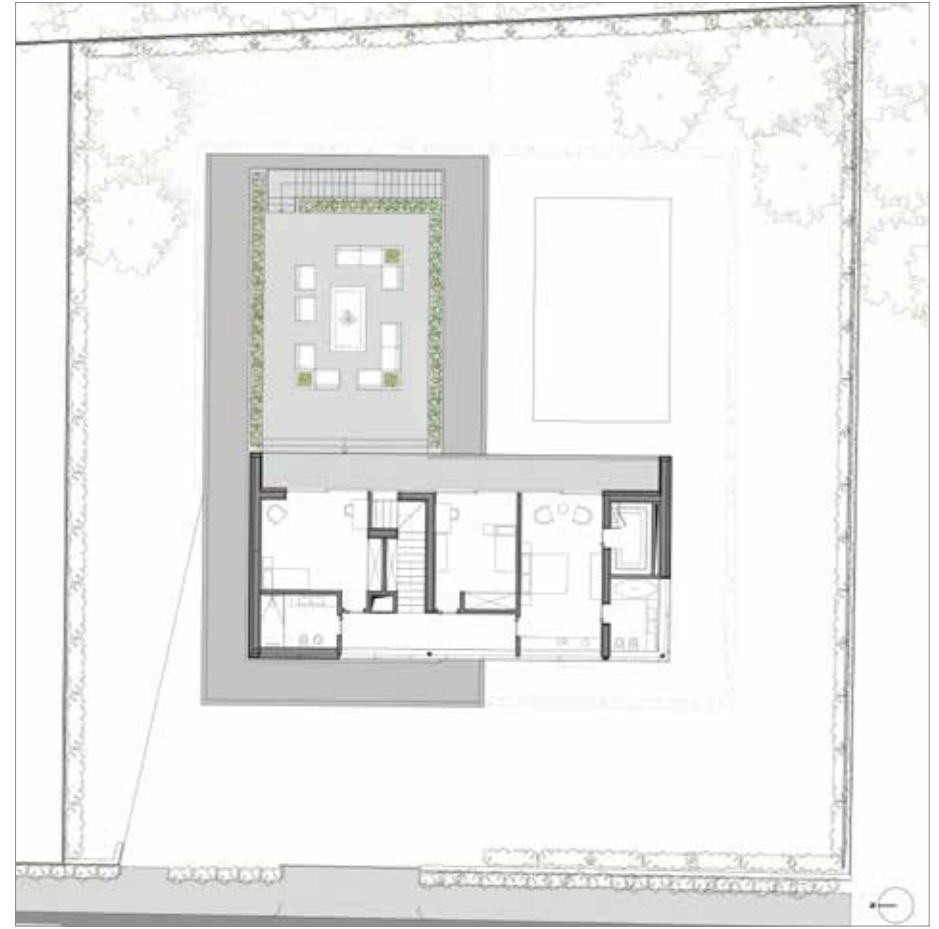
#### ELECTRICAL SYSTEM

Studio Garutti

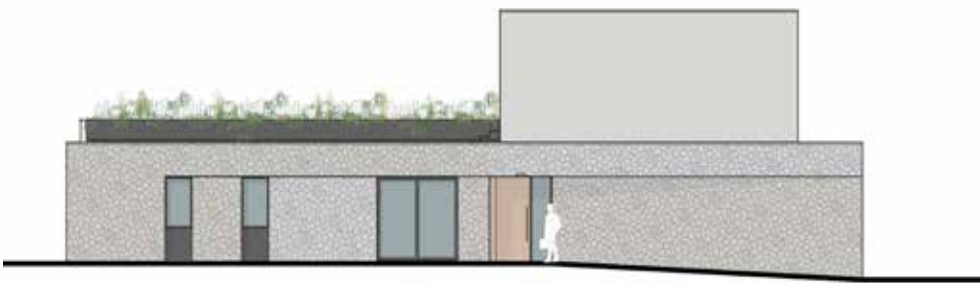




Ground floor plan



First floor plan



North elevation



Section







# New residential complex in Parmavera, Parma (I)

The intervention is included in a contemporary urban plan, characterized by a medium-low density system built into a large public park. The project, which consists of two buildings in line of different heights, works on some main real estate objectives: the forecast of a varied commercial mix suitable for new lifestyles; the flexible typological configuration; the rationality of the construction system; the provision of technological solutions capable of ensuring high levels of comfort as well as simple and rational management.





“Identity” and “Experience” are the keywords that guide the project: hence, the idea of designing non-ordinary houses but with a particular face and soul on one side and the vision for an engaging architecture capable of generating empathy and involvement in residents on the other. With green as a real plus, guaranteed for everyone, at all levels.

The two built volumes have homologous architecture, characterized by the building profile tapering at the heads and by different treatment to the two longitudinal sides. The mirrored plan of the two buildings provides the living areas with deep perspectives and views, also expanding the commercial proposal which will be able to count on solutions that favour the experience of the morning sun from one side or the warm light of the sunset from the other.

The main fronts are characterized by systems of loggias and terraces organized and arranged according to an “intertwined” design which, in addition to determining an interesting articulation of the facades, provides for double height spaces for the planters which is one of the highlights of the project. All the remaining outdoor areas will be covered thus making it possible to use the spaces in any weather condition.

#### SCOPE OF WORKS

Preliminary, final and executive design

Underground parking: 3.015 sqm

#### CONSTRUCTION BUDGET

7.000.000 €

#### CLIENT

Parmaresidenziale1 S.r.l.  
(Gruppo PIZZAROTTI)

#### TIMELINE

2019-2020

#### LOCATION

Parma (I)

#### STRUCTURAL ENGINEERING

Ing. Fabio Lugli

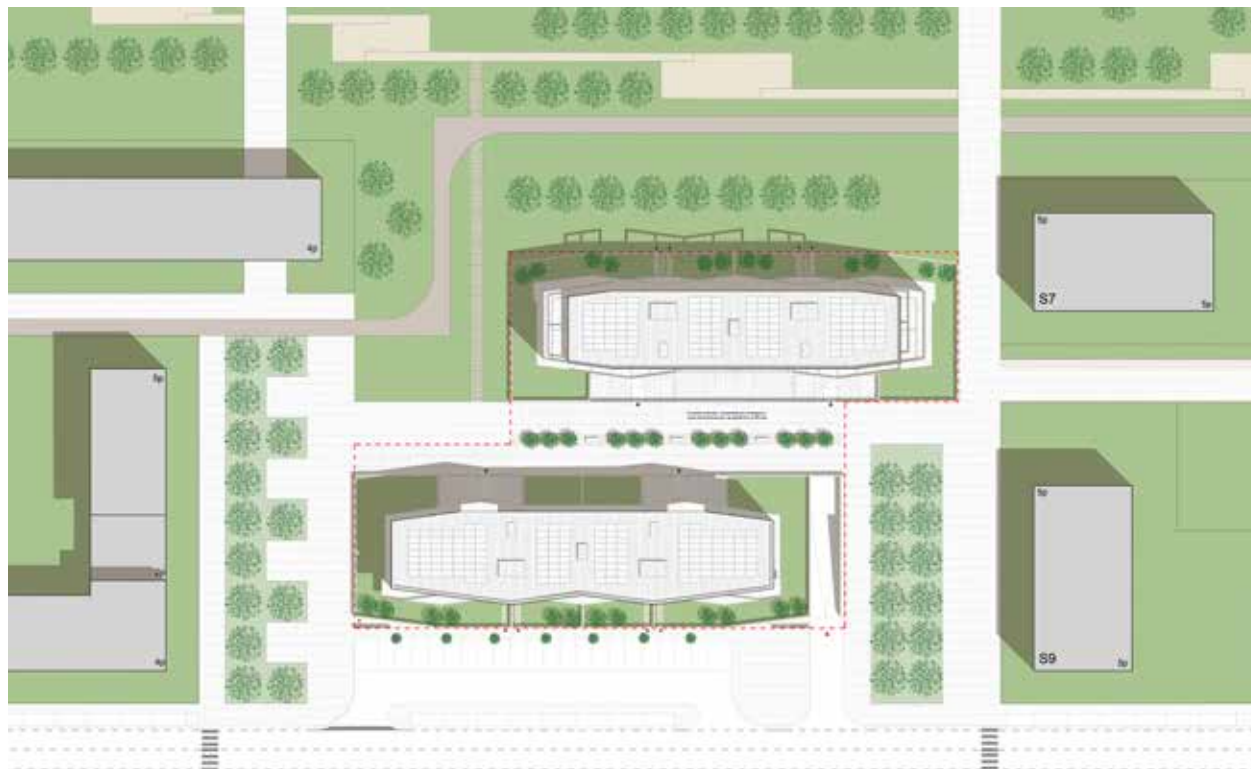
#### DIMENSIONS

Plot area: 3.955 sqm

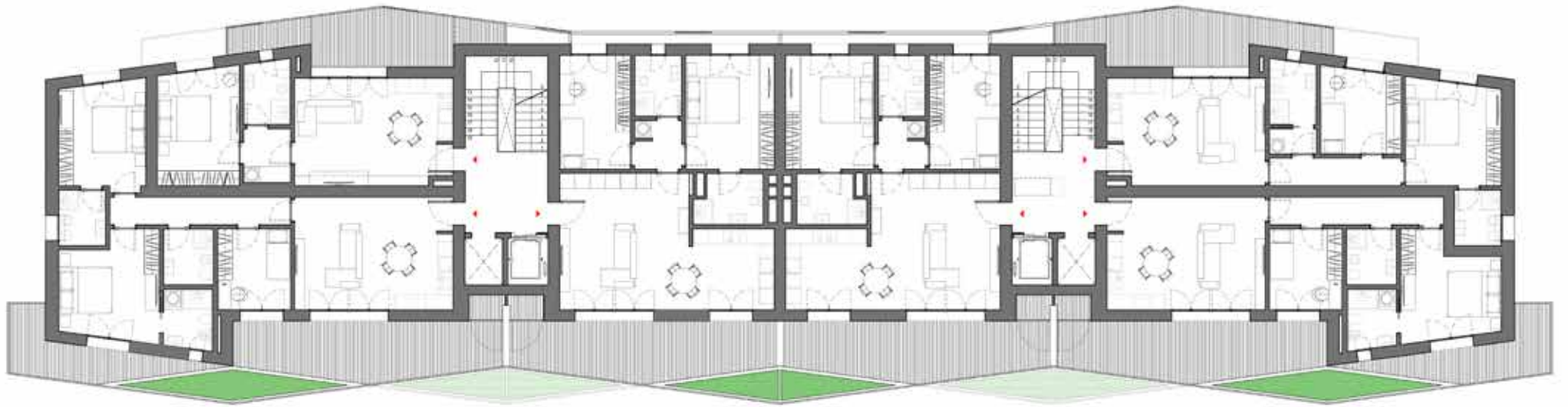
Built area: 5.150 sqm

#### MEP ENGINEERING

Termoprogetti S.r.l.



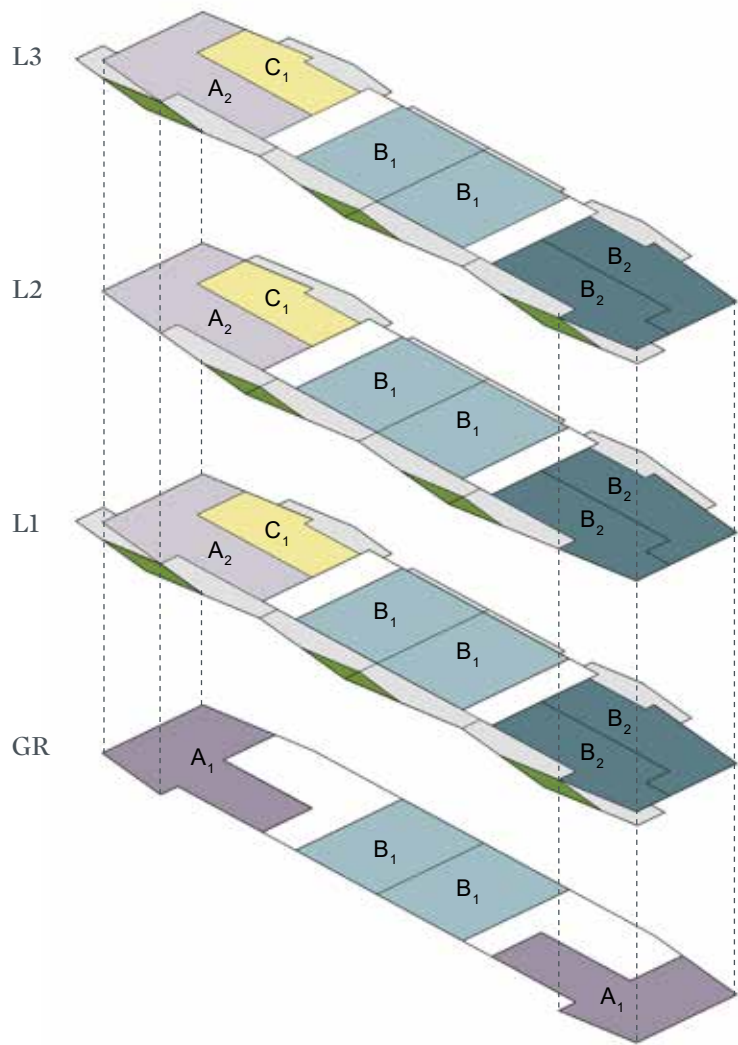
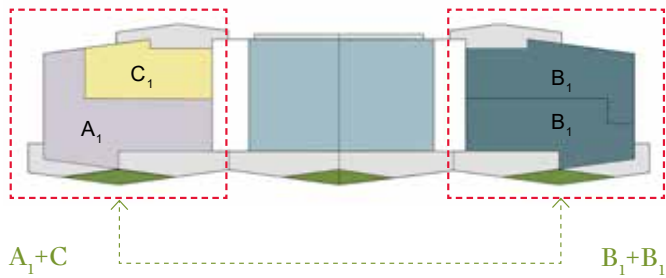




Third floor plan



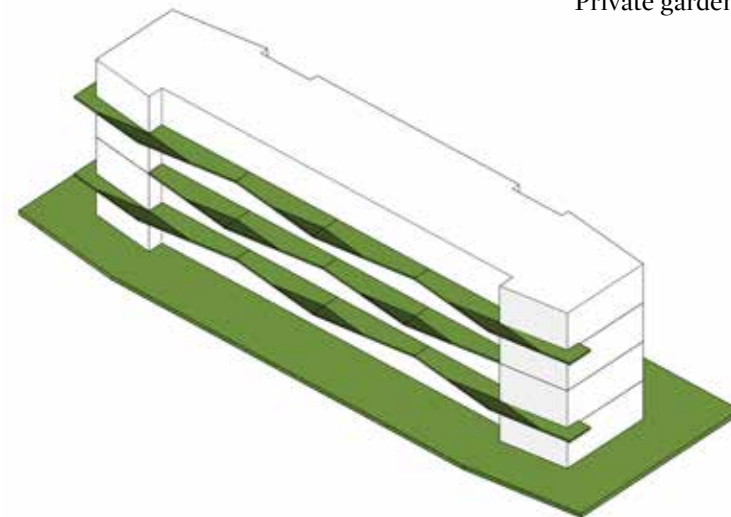




### Accomodations

- TYPE  $A_1$  - FOUR-ROOM  
130 sqm
- TYPE  $A_2$  - THREE-ROOM  
115 sqm
- TIPOLOGIA  $B_1$  - THREE-ROOM  
100 sqm
- TIPOLOGIA  $B_2$  - THREE-ROOM  
85 sqm
- TIPOLOGIA  $C_1$  - TWO-ROOM  
65 sqm

### Private gardens









# COROB plant redevelopment and expansion, San Felice sul Panaro (I)

An outdated establishment developed over time from subsequent combinations and case-by-case solutions, including the rapid post-seismic reconstruction of some units. The demand to implement new designated work spaces today is grasped as an opportunity for a wider and more organic consideration to provide the company of a general master-plan to role its rational evolution and growth and at the same time to restore the image of the company.





#### CLIENT

COROB S.p.A.

#### LOCATION

San Felice sul Panaro, Modena (I)

#### DIMENSIONS

Plot area: 46.800 sqm

New construction area: 3.500 sqm

Restructuring area: 1.500 sqm

#### CONSTRUCTION BUDGET

5.000.000 €

#### TIMELINE

2018-19 Preliminary, final and executive design

#### STRUCTURAL ENGINEERING

Ing. Edoardo Poletti

#### MEP ENGINEERING

Studio A+

Studio Garutti

Three fundamental principles guide the design:

- efficiency and rationalization of processes;
- the creation of environmental conditions needed to transform work into a positive and involving experience;
- the pursuit of maximum coherence between architectural design and corporate identity.

Complete the master-plan a rational layout and a clear distribution of the various corporate functions, a separation of paths and routes and managerial flexibility; the COROB culture for innovation, the world of color and nature outline the new “environment”, distinguishing architecture and corporate image. More in detail, as well as the restyling of existing buildings, two new constructions will be designed: a new horizontal warehouse and a test and research laboratory with specific areas for training, demo and distribution. Particular attention is also paid for the outdoor, relations areas and the fence facing the road.







Above: Warehouse. Right: Laboratory





# New Vittoria high-school, Trento (I)

The project works on the principle of the school as a new urban polarity: a real civic center dedicated to the arts, open the whole day and able to offer, as well as an engaging educational experience for students, cultural activities and initiatives with regard to analysis and socialization for the city and the territory. The architectural design intends to give an easily-recognizable identity to the new complex, creating a very contemporary language deeply related to the institute's DNA.





It follows a sculpture-like shapes building, as a result of an ideal wedge in the act of breaking a block of stone just to prepare it for modeling.

The use of a local porphyry for the cladding of the opaque parts of the façades, as well as the use of dark-wood as vertical shading for the large windows, exactly define building's belonging to a very specific cultural and material context.

From the distribution viewpoint the project is currently organized by thematic areas: in the basement there are parking, technical rooms and 4 production laboratories; the ground floor houses a large atrium and agora, in addition to the remaining production laboratories and teachers rooms; the first level, configured as a sort of covered square, hosts students spaces, including the library and the study areas, as well as spaces for the relationship with territory; at the upper levels there are multi-purpose laboratory classrooms and the three-year basic training laboratories.

#### SCOPE OF WORKS

Two-phases design competition

#### Shortlisted design

#### CLIENT

Provincia Autonoma di Trento

#### LOCATION

Trento (I)

#### DIMENSIONS

Plot area: 9.200 sqm

Floor area: 5.000 sqm

Built area: 9.000 sqm

#### CONSTRUCTION BUDGET

10.500.000 €

#### TIMELINE

2017-18

#### STRUCTURAL ENGINEERING

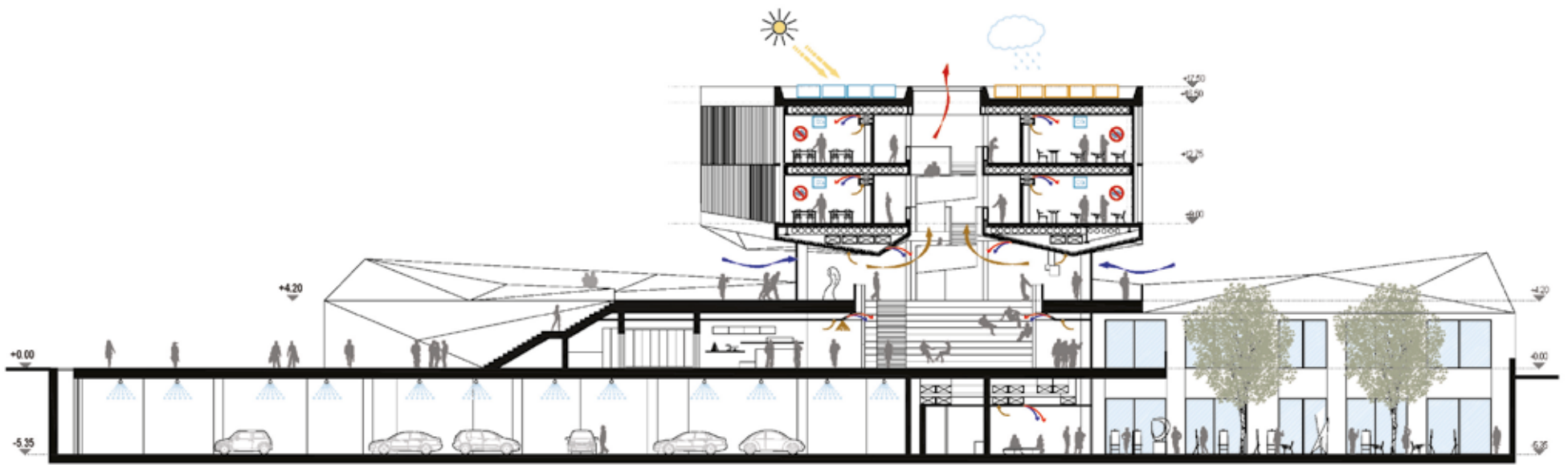
Studio Sarti

#### MEP ENGINEERING

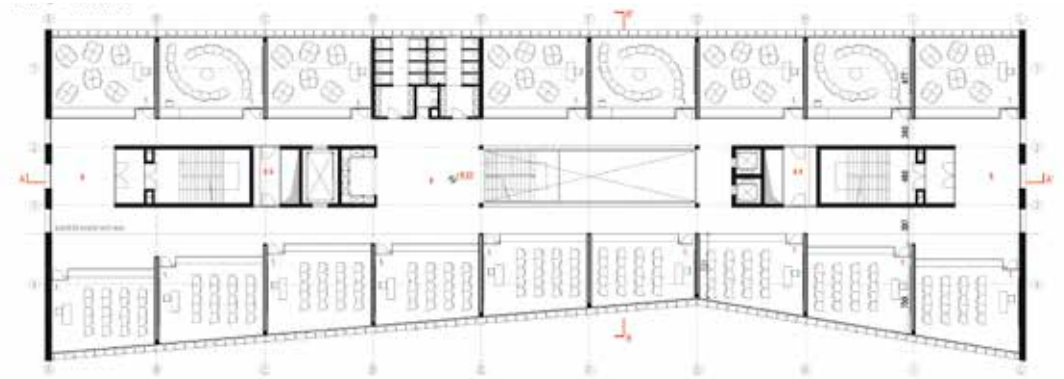
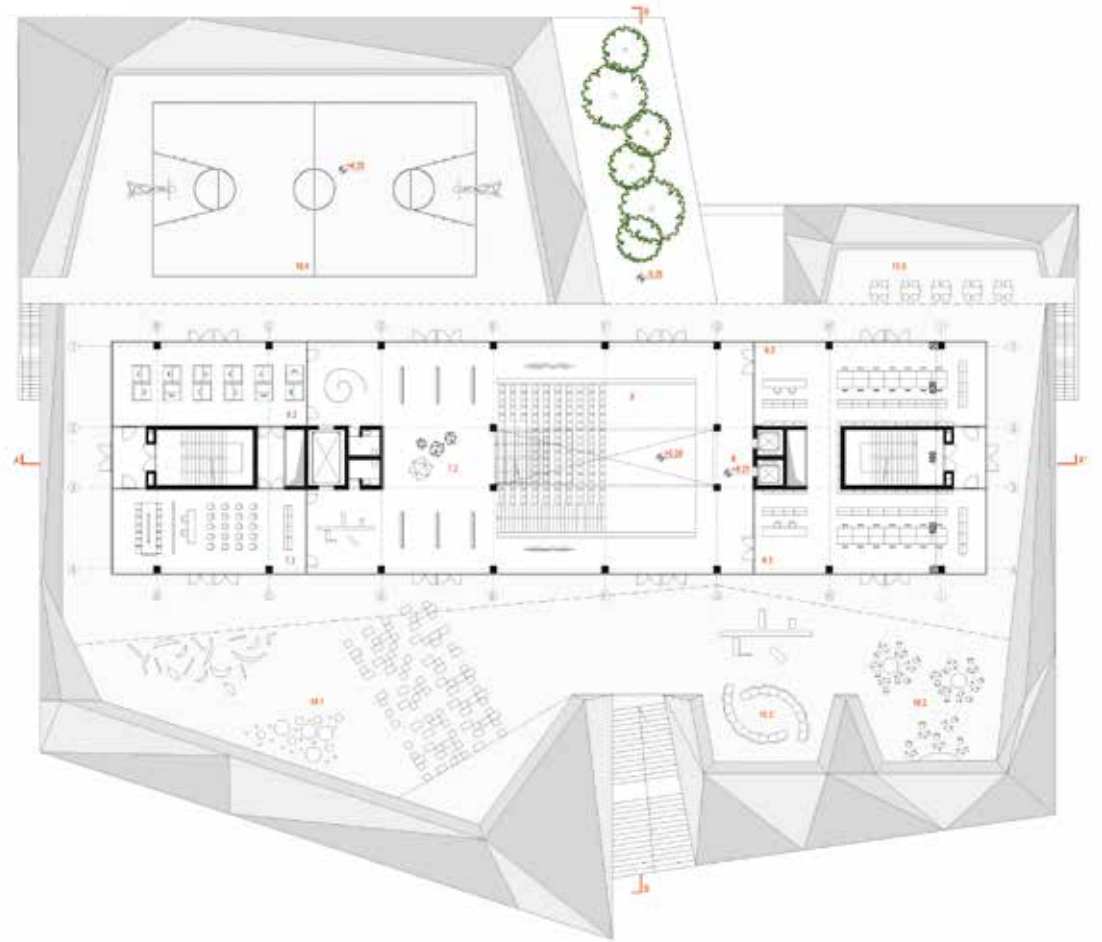
Polistudio A.E.S.











First floor and second floor plans



# Redesign of the Stadium Arena Garibaldi, Pisa (I)

A stadium with a public park and facilities on top of it; a piece of landscape-architecture able to integrate itself into its urban surroundings and transform an extraneous entity, subject to occasional use, into an integrated, lively and attractive place.





## SCOPE OF WORKS

Invitation-only single stage design competition

## CLIENT

A.C. Pisa

## LOCATION

Pisa (I)

## DIMENSIONS

Plot area: 34.500 sqm

Floor area: 14.000 sqm

Built area: 15.600 sqm

Spectators: 17.000

## CONSTRUCTION BUDGET

30.000.000 €

## TIMELINE

2017

## LANDSCAPE DESIGN

Marazzi Architetti

## STRUCTURAL ENGINEERING

F&M Ingegneria S.p.A.

## MEP ENGINEERING

AI Engineering S.r.l.

The proposal envisages a multi-functional complex that is open seven days a week, endowed with activities and services that generate revenue and a prominent public function, the roof garden, a special place on offer to the city as well as a catalyst for the huge pool of potential users and revenue made up of the volume of tourists who visit Pisa every year. A new urban landmark, able to communicate the profile of a city that has its roots in its prestigious history but that looks to the future with just as much vision.

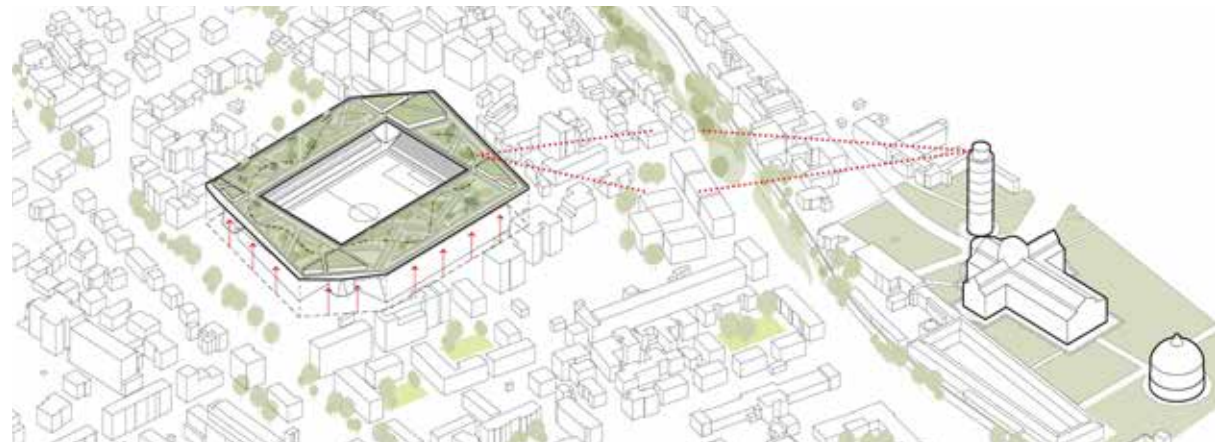
From a sporting point of view, having ensured it meets the highest international technical standards, the design works on the capacity of architecture to create “engagement”, identity and a sense of recognition on the part of the fans; transforming an ordinary container for sport into a true sporting “destination”.







View from the Leaning Tower



Urban and landscape integration









# Villa Z, Parma (I)

This design addresses the theme of the private house by exploring innovative architectural forms on the outside and new and intriguing spatial solutions inside. The house is characterised by its large and sculptural roof covered in corten steel; its 'complex-pitch' design is a response to a restriction made by the planning authorities that it takes as an opportunity to create a highly expressive language.





## SCOPE OF WORKS

Preliminary, final and executive design

## CLIENT

Private

## LOCATION

Pama province (I)

## DIMENSIONS

Plot area: 4.750 sqm

Built area: 600 sqm

## CONSTRUCTION BUDGET

2.000.000 €

## TIMELINE

2014-2017

## STRUCTURAL ENGINEERING

Eng. Edoardo Poletti

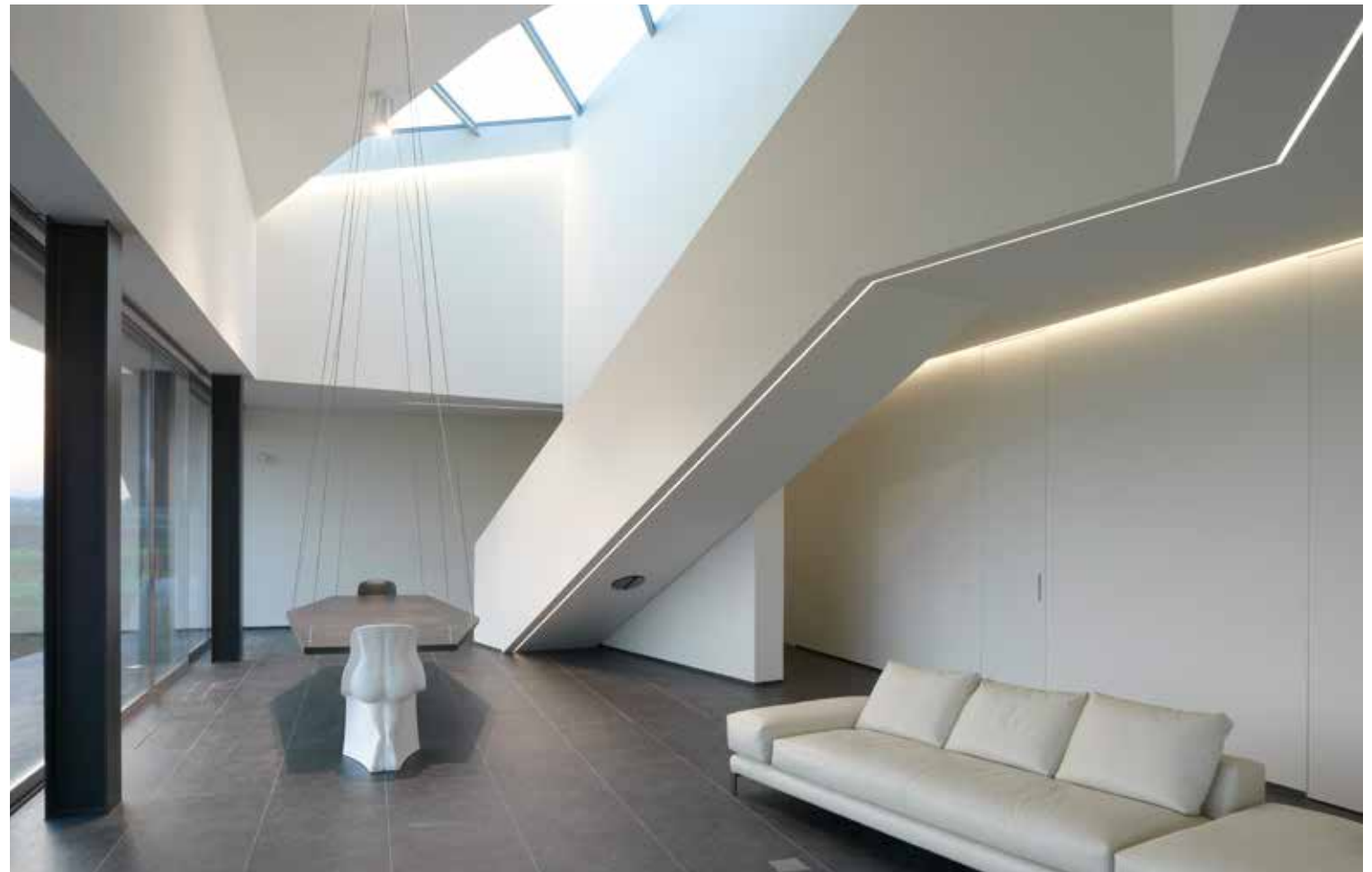
## MEP ENGINEERING

Eng. Massimo Bocchi

Eng. Giampaolo Vecchi

In terms of geometry, the suspended volume of the roof projects beyond the perimeter of the lower level to a considerable extent, creating deep and inviting porticoes whose function is both to accommodate outdoor family life and protect the large windows from solar gains during the summer. The roof is also characterised by the presence of two patios, onto which face the main spaces of the upper floor, and a large rooflight that provides top lighting to the living area. The house is organised on two levels: on the ground floor, along with service areas and a garage, is the large living area that consists of a kitchen, multi-media area and a large double-height sitting room. On the first floor, the bedroom area is distinguished by its articulated plan and generous spaces, whose particular geometry echoes the unusual design of the roof.

In terms of energy a geothermic system is installed; electricity is supplied via a photovoltaic system well-integrated into the roof. A system of mechanic air-changes with active heat recovery is also included.









## Plans

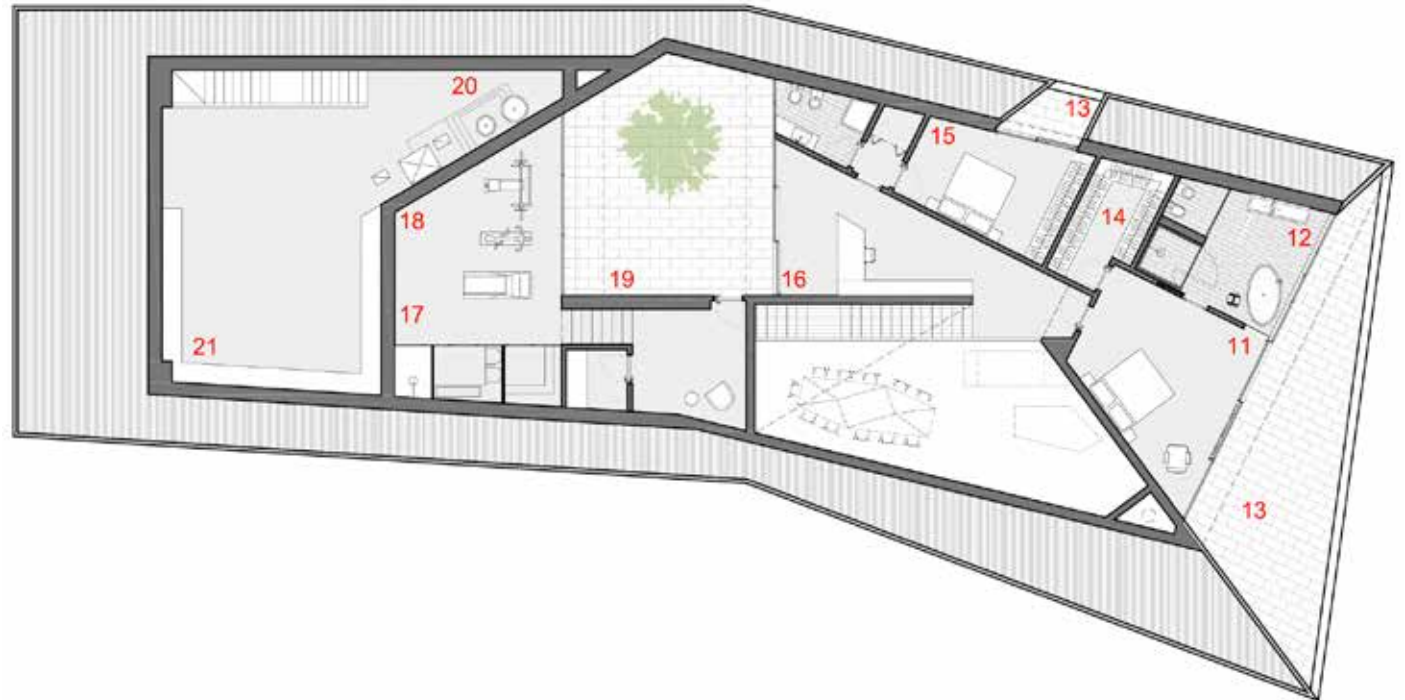
### Ground floor:

1. Main entrance
2. Living room
3. Kitchen
4. Multimedia room
5. Two-bedroom maid room
6. Laundry
7. Equipment room
8. Wardrobe
9. Cellar
10. Garage



### First floor:

11. Master bedroom
12. Master bathroom
13. Terrace
14. Wardrobe
15. Guest room
16. Small office
17. Spa area
18. Gym
19. Patio
20. Technical area
21. Storage







Above: longitudinal and cross section Below: construction site



# *Papillon multi-purpose complex, Kuala Lumpur (MAL)*

Located about an hour's drive from the city center of Malaysian capital, Setia Eco Park is a luxury residential compound characterised by high environmental quality and a tropical landscape rich in lush vegetation, waterway, lakes and theme gardens.

As part of this medium-low density plan, covering about 800 hectares, the program envisages the construction of a multifunctional complex able to offer a wide range of services both to residents and visitors, that whole concentrated in one large compound.





## SCOPE OF WORKS

Preliminary and final design

## CLIENT

Bandar Eco-Setia Sdn Bhd

## LOCATION

Selangor, Kuala Lumpur (MAL)

## DIMENSIONS

Plot area: 12.000 sqm

Floor area: 8.000 sqm

Built area: 51.000 sqm

## CONSTRUCTION BUDGET

50.000.000 \$

## TIMELINE

2015-2016

## IN COLLABORATION WITH

Archicentre SDN. BHD

## STRUCTURAL ENGINEERING

Archicentre SDN. BHD

## MEP ENGINEERING

Archicentre SDN. BHD

More specifically, the following actions are planned: retail (35%), accommodation (20%), private clinic (20%), spa & fitness (5%), parking (20%).

The architectural concept conveys with evidence the peculiar environmental and landscape collocation of the intervention. It is therefore imagined an organic architecture design, in which the articulate volume, generated by the overlapping of different shapes dictated by the articulated profile of the plot, is completed by a system of shielding that evokes the wings of local butterflies.

The ecological awareness which drives the development of the entire complex and the intense tropical climate, guide the project towards a meticulous planning of sustainability and indoor comfort.

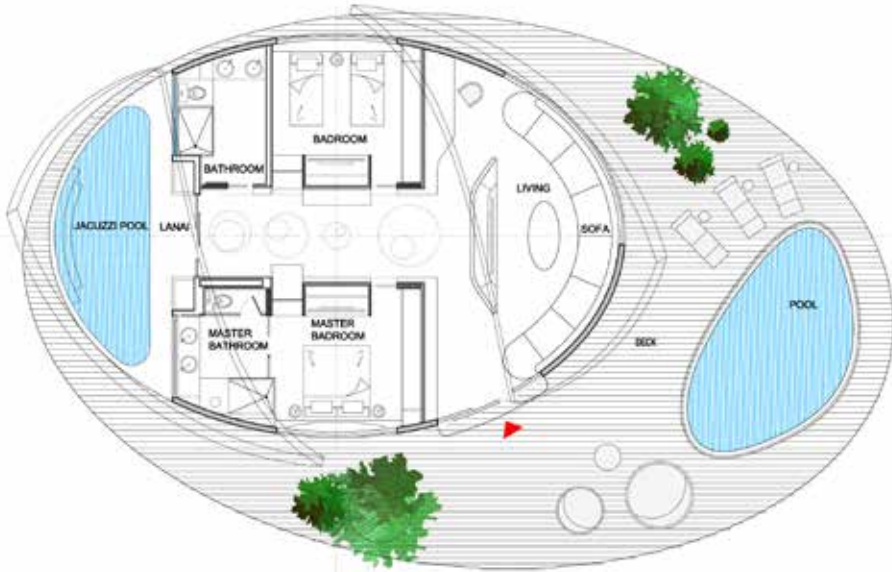
The following are implemented: fixed and moveable solar shading systems, integrated photovoltaic system, automated systems for the opening of large façade portions to guarantee effective transverse-ventilation, green roof.





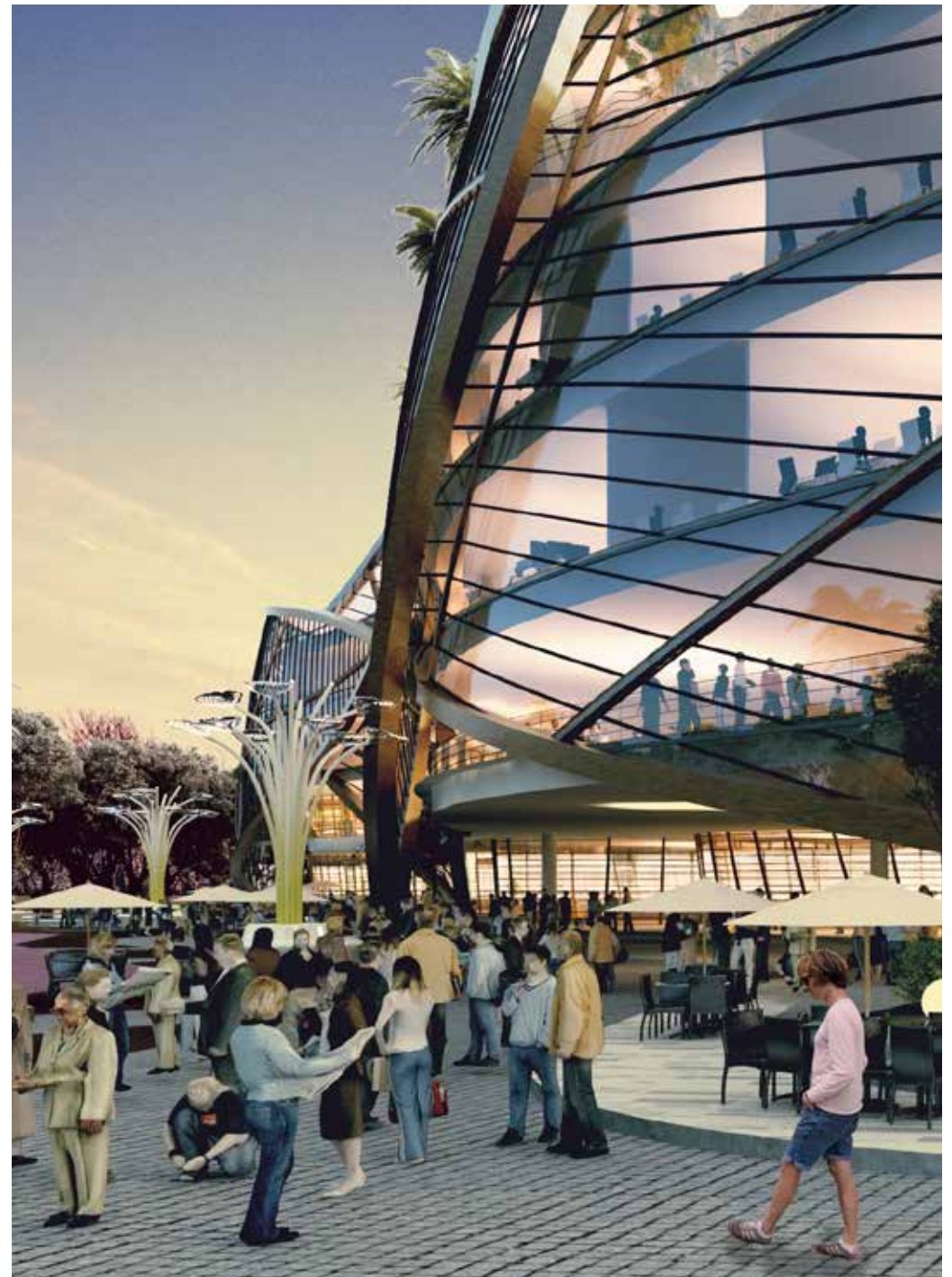






Above: Roof villas, typical plan

Below: hotel room Right: strip mall



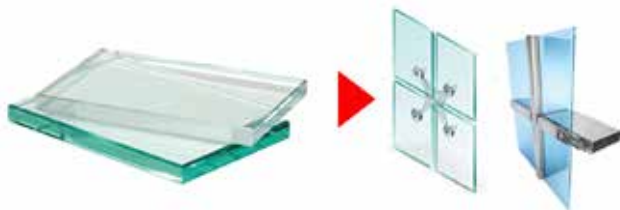
**Functional program:**

- F7. Rooftop Grand Villa
- F6. Boutique hotel
- F5. Boutique hotel
- F4. SPA - Gym
- F3. HQ and clinics
- F2. Specialist clinics
- F1. Fine dining, commercial areas
- GF. Entrance, Shop

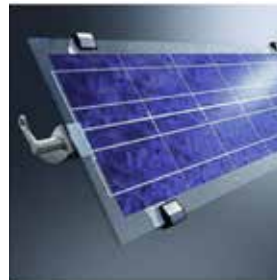


**Above:** cross section

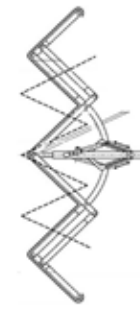
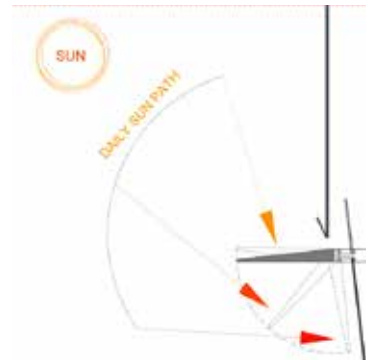
**Below:** facade and shading system details



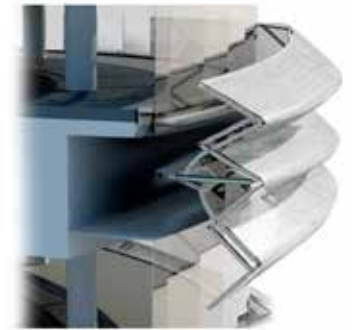
Glazing panels as cladding with spider structure or normal metal/timber frames



Multifunctional panel: Photovoltaic energy captured during daytime and sun shading



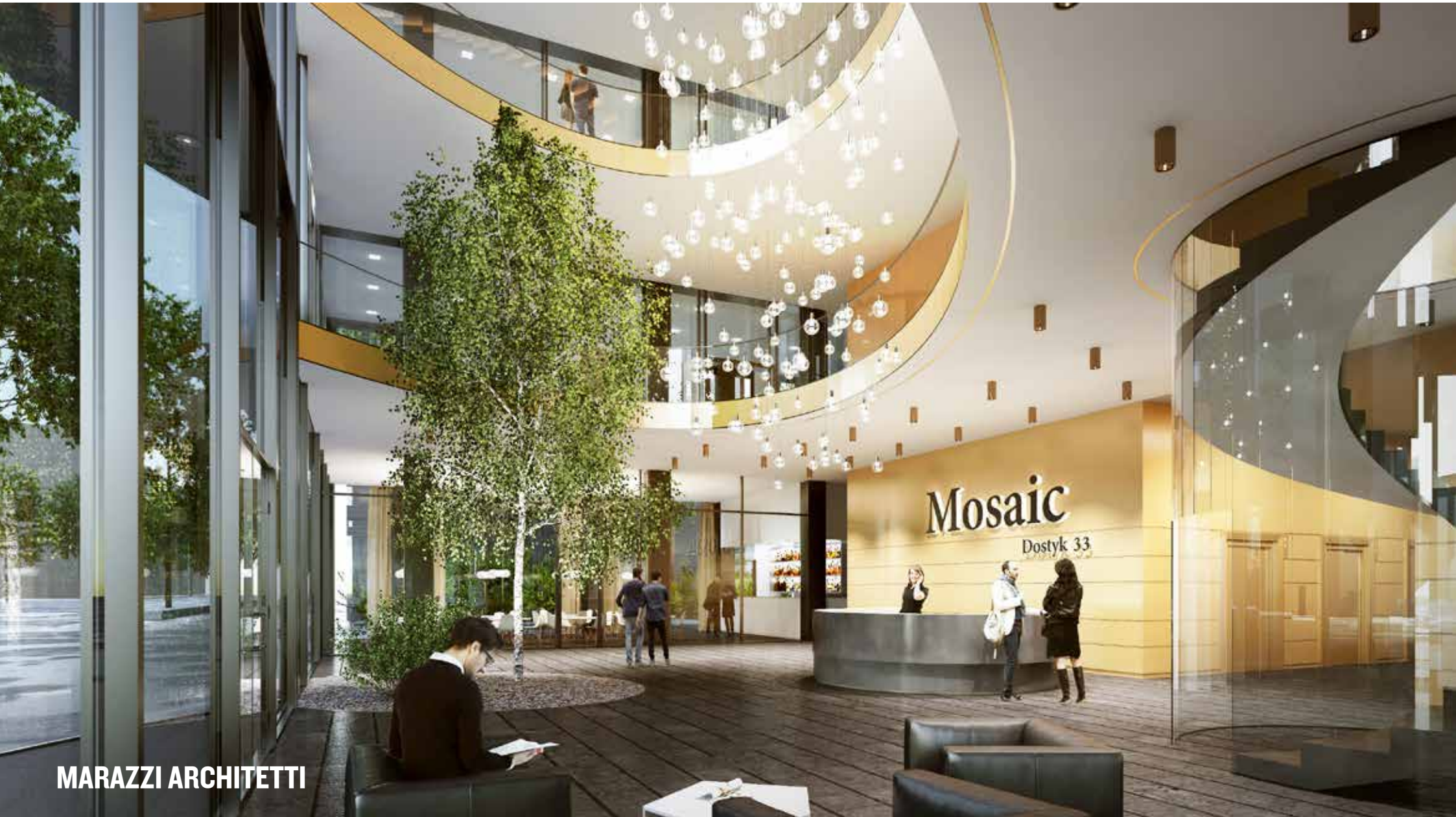
Detail of the facade system





# *Mosaic Serviced Apartments, Almaty (KZ)*

A mosaic of cultures, histories and experiences will be accommodated by the new building designed on the corner of Dostyk and Bogenbay Batira; people and families of backgrounds, in Almaty for professional reasons on a medium to longterm basis.





The serviced apartment has thus been conceived as a home far away from home, able to welcome and accommodate within a personal dimension that is warm and friendly; a place custom-made for private and family life as well as for the public and social side. The design of the elevations is based on the idea of the mosaic: a regular grid of full-height windows orders and holds together a system of coloured panels in different tones and shades, according to a random pattern that graduates upwards. The elevations feature a number of large glazed volumes, real winter-gardens in which will be placed large trees. Lower down, a full-height glazed band will create the shop window for the two levels of retail space planned; also at ground level on Dostyk St, a grand entrance hall constitutes the “gate” and key to the whole system, organising the system of access and vertical circulation to the floors.

#### SCOPE OF WORKS

Preliminary design

#### CLIENT

Elitstroy LLP

#### LOCATION

Almaty (KZ)

#### DIMENSIONS

Plot area: 3.350 sqm

Built area: 30.000 sqm

#### CONSTRUCTION BUDGET

25.000.000 \$

#### TIMELINE

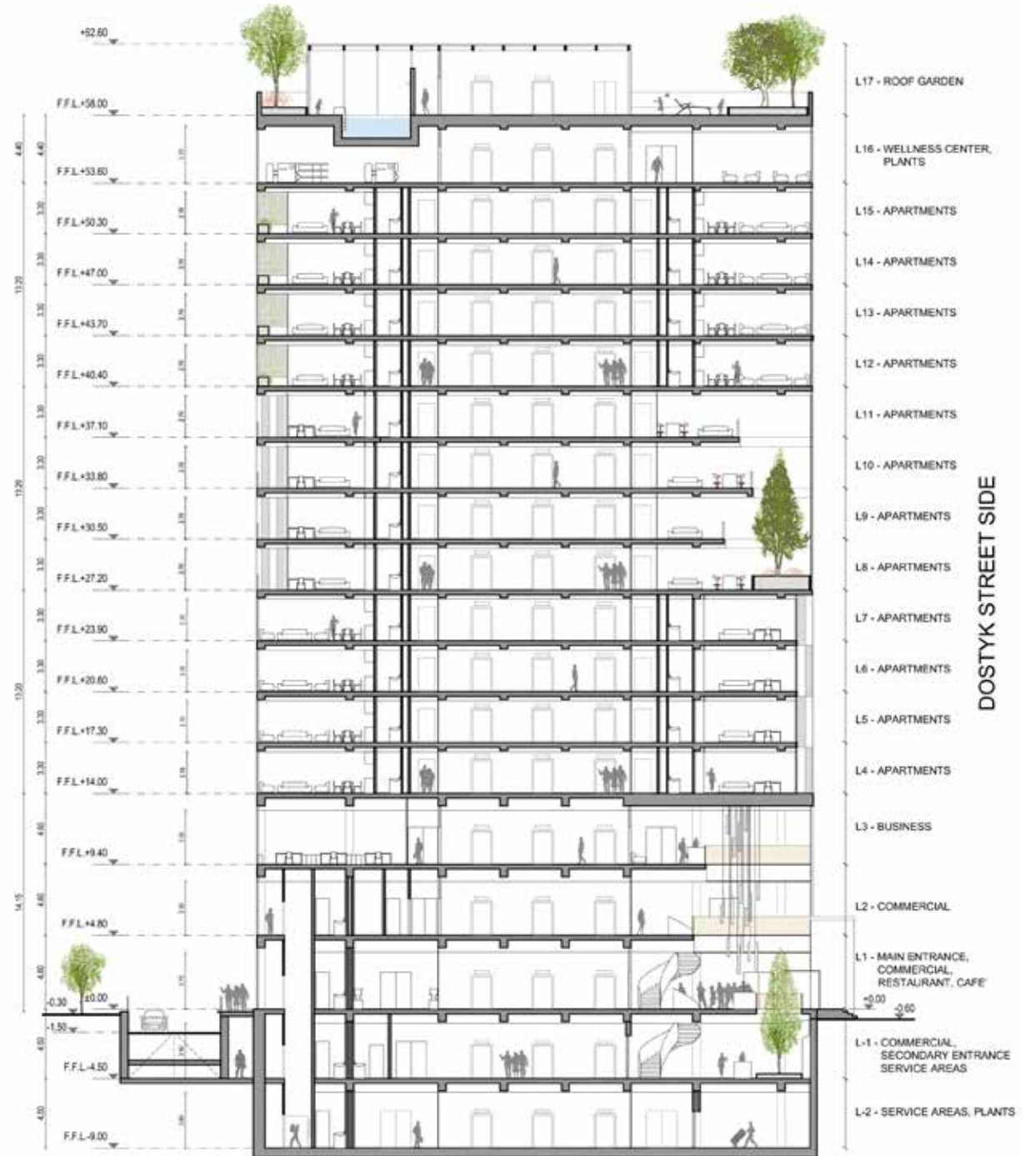
2015



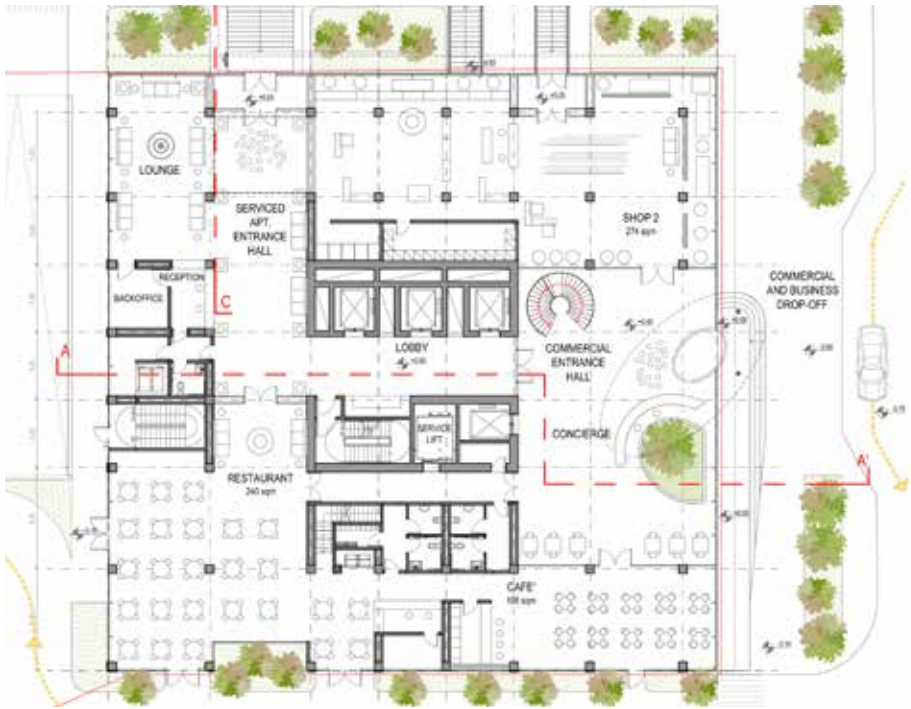




Above: a glimpse into the roof garden  
 Right: cross section



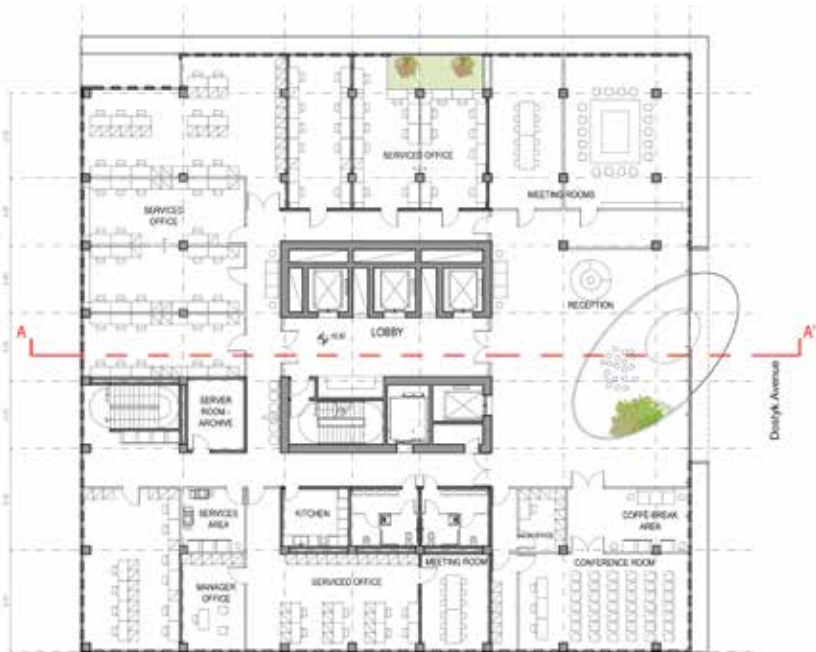




Plan level 1



Plan level 2



Plan level 3



Typical floor plan



# WoPa – Civic centre at San Leonardo, Parma (I)

A competition to transform a valuable example of industrial archeology in the San Leonardo district offers an opportunity to reflect on the DNA of an urban realm that is now deeply layered and multi-ethnic.



## SCOPE OF WORKS

Two-phases design competition

2° Prize

## CLIENT

Comune di Parma

## LOCATION

Parma (I)

## DIMENSIONS

Plot area: 4800 sqm

Built area: 3600 sqm

## CONSTRUCTION BUDGET

3.500.000 €

## TIMELINE

2016

## STRUCTURAL ENGINEERING

F&M Ingegneria S.p.A.

## MEP ENGINEERING

Studio TI soc. coop.

This proposal aims to promote the creation of a place with a strong civic vocation in which dialogue and integration are encouraged by working at various levels: a historic, geographic and cultural one, manifested in the form of a major Library/Cultural Centre; a religious one, articulated in the idea of dedicating a section of the Library to world religions as well as providing a series of small chapels for prayer, set alongside one another; a gastronomic one conceived in the form of a large Food Hall for promoting multi-ethnic food culture; finally an artistic one, in the form of a large space for producing and displaying art and craft from around the world.

All of this is to be integrated with spaces for conferences, co-working, teaching, leisure and entertainment to create a multi-functional and multi-generational offer that is useful for ensuring not only a capillary response to the demands of different types of user but also an intense and ongoing life to the complex.







Art and craftsmanship



Multi-ethnic outdoor market



Conferences, exhibitions and events



Food Hall, bookshop and laboratories



Co-working



Refreshment and socialization



# New City of Research and Innovation, Almaty (KZ)

The Kazakh economy, historically focussed on the exploitation of vast reserves of fossil fuels (oil and gas), minerals and raw materials, thanks to a long-sighted policy of planning for the future has begun a process of diversification aimed at the development of other strategic sectors such as transport, pharmaceuticals, telecommunications and food.





## SCOPE OF WORKS

Preliminary design

## CLIENT

Tanri Development – Otrar Group

## LOCATION

Almaty (KZ)

## DIMENSIONS

Plot area: 588 ha

Built area: 3.350.000 sqm

## CONSTRUCTION BUDGET

n/d

## TIMELINE

2015

Within this context sits this scheme for a new urban district for research and innovation, planned in an area of about 590 hectares to the east of Almaty.

An urban area of modern conception, a specific and ideal setting able to attract and inspire students, researchers, families and young entrepreneurs; an active and dynamic place in which to learn, carry out research and find all services and conditions for implementing ideas, projects and visions; a multifaceted and multi-confessional social context whose common denominators are forward-thinking and the desire to make a tangible contribution to the development of the country.

All in a physical and environmental setting of high-quality in which the principles of eco-sustainability and healthy living constitute essential drivers and key levers.





Project area



Infrastructures



Green areas



Main buildings



University campus





# Post-Earthquake Timber Church, Medolla (I)

This scheme was conceived to respond to the need for the Parish to quickly resolve, on both a functional and symbolic level, the situation arising from the tragic events that deprived the community of their churches following the earthquake in May 2012. The need to combine rapid construction, seismic safety and a low budget orientated right from the start the choice of technology towards prefabricated timber.



The project is characterised by its simple, almost archetypal lines, in which a clear reference can be seen to some of the classical themes of church architecture. Key elements are natural light and transparency.

The general layout consists of a single nave (able to hold 200 seated and 100 standing) with a pitched roof with an additional volume for service areas situated on the west side of the presbytery.

The main elevation is distinguished by a large area of full-height glazing while the entrance is preceded by a large courtyard and a portico where the main door is located, along with the door for everyday use.

The design of the services and technological aspects ensures that the building is self-sufficient in terms of energy, thereby eliminating completely the cost of air-conditioning; energy is produced by two air heat-pumps powered by a photovoltaic system installed on the roof; distribution is via a high-efficiency radiant floor system. The church is certified in energy Class A.



#### SCOPE OF WORKS

Preliminary, final and executive design

#### CLIENT

Parrocchia dei SS. Senesio e Teopompo; Arcidiocesi di Modena - Nonantola

#### LOCATION

Medolla - MO (Italy)

#### DIMENSIONS

Plot area: 1500 sqm  
Built area: 650 sqm

#### CONSTRUCTION COST

1.200.000 €

#### TIMELINE

2012-2013

#### STRUCTURAL ENGINEERING

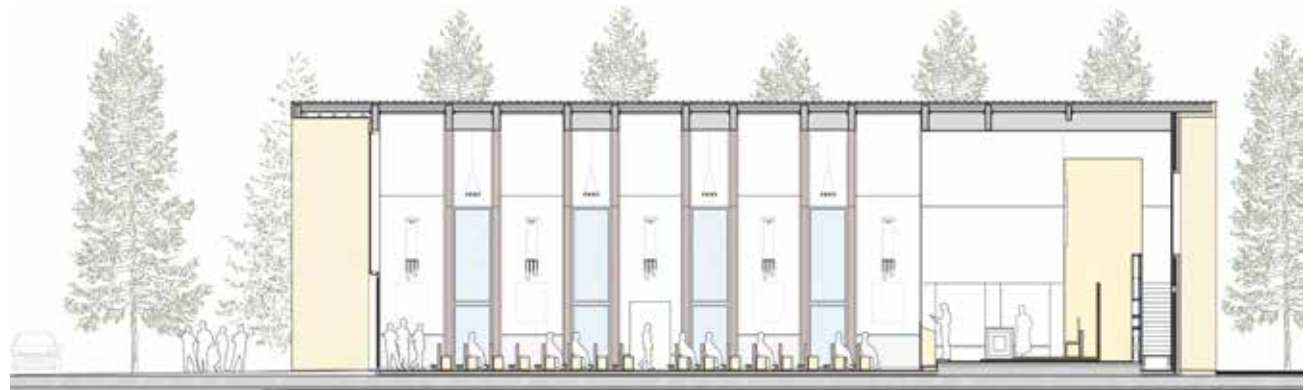
Eng. Edoardo Poletì  
Eng. Franco Piva

#### MEP ENGINEERING

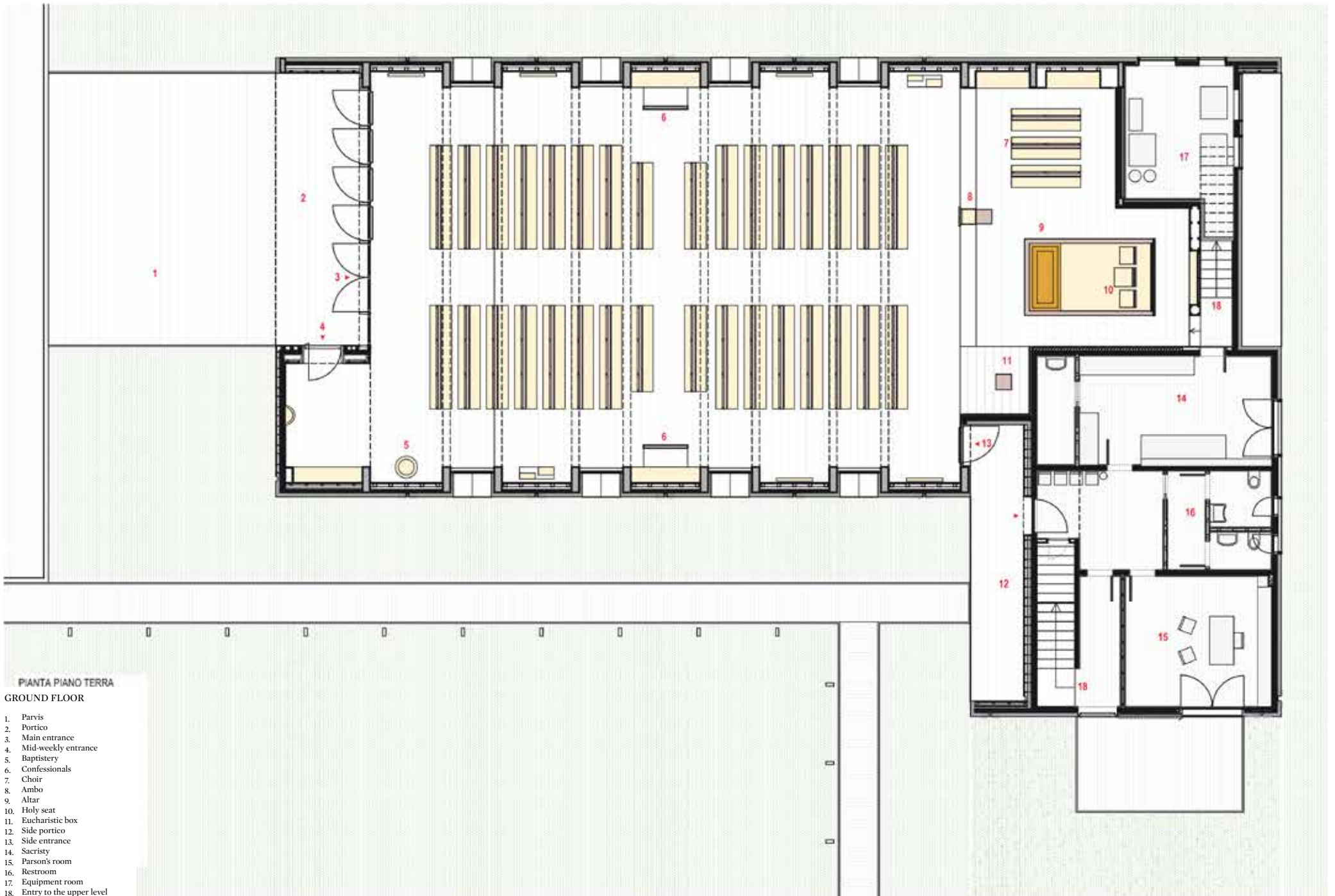
Studio A+  
Studio Garutti

#### ACOUSTICS

PGM / P.I. Marco Pincelli













# New Alma Mater Museum of Excellence, Bologna (I)

Within the overall scheme for converting the ex military area STAVECO for university use, the new Alma Mater Museum of Excellence is envisaged inside one of the most distinctive blocks of the whole complex characterized by the presence of an extremely light and elegant art-nouveau-style structure. Conservation restrictions imposed by the Soprintendenza together with the demand for a radical change in function for the building have steered the design towards an approach to conservation not dogmatic but considered and responsible.





## SCOPE OF WORKS

Concept design

## CLIENT

Alma Mater Studiorum - Università di Bologna

## LOCATION

Bologna (I)

## DIMENSIONS

Plot area: 7.000 sqm

Built area: 2.600 sqm

## CONSTRUCTION BUDGET

4.000.000 €

## TIMELINE

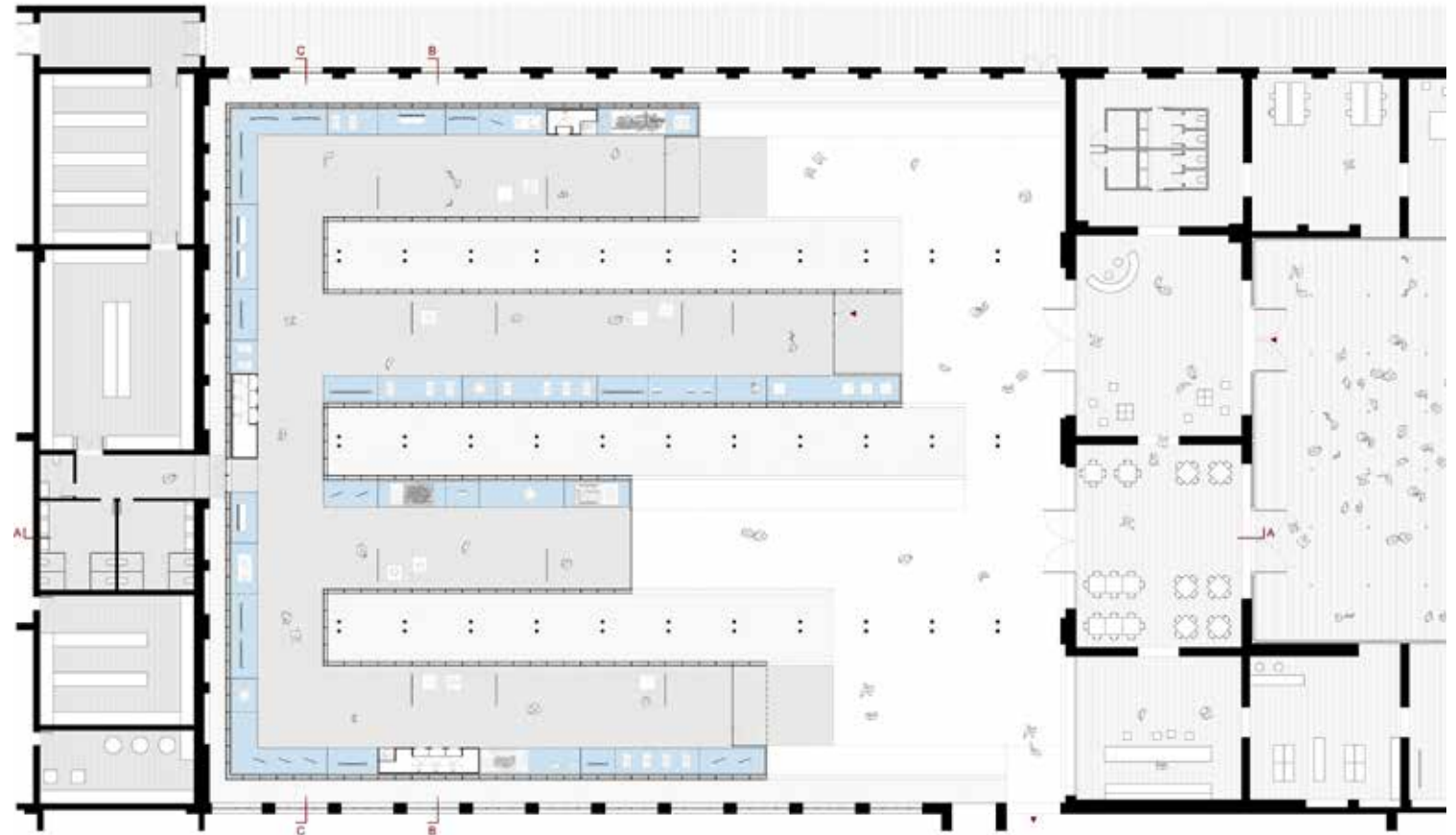
2013

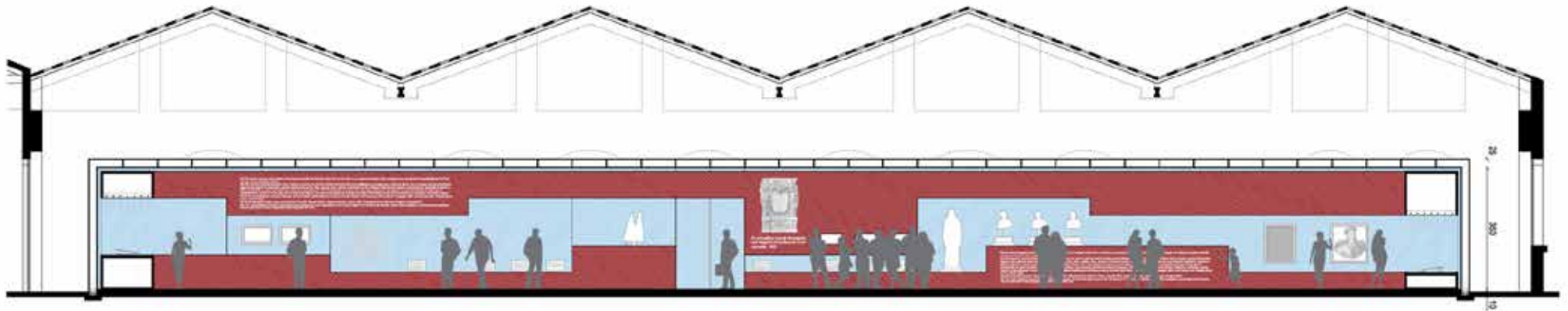


Thus established the line of philological conservation for the most significant elements such as the overall volume, spatial continuity of the large roof and the main structure in wood and steel while, a decision was also taken to reinterpret the roof and introduce a new glazed “treasures chest”.

From a museographic point of view, the new Alma Mater Museum of Excellence is articulated according to the following keys of interpretation:

- a museum of an institutional nature that offers a chronological account of the thousand-year-old history of the university;
- a place that illustrates the relationship between the university of Bologna and the production of culture and science over the course of history;
- a space in which the deep and inseparable relationship between the Alma Mater and the city of Bologna is explored.
- a story accompanied by archive documents, photographs and artefacts taken from the extensive University Historic Archive.







# Refurbishment of Mirage Headquarters, Pavullo (I)

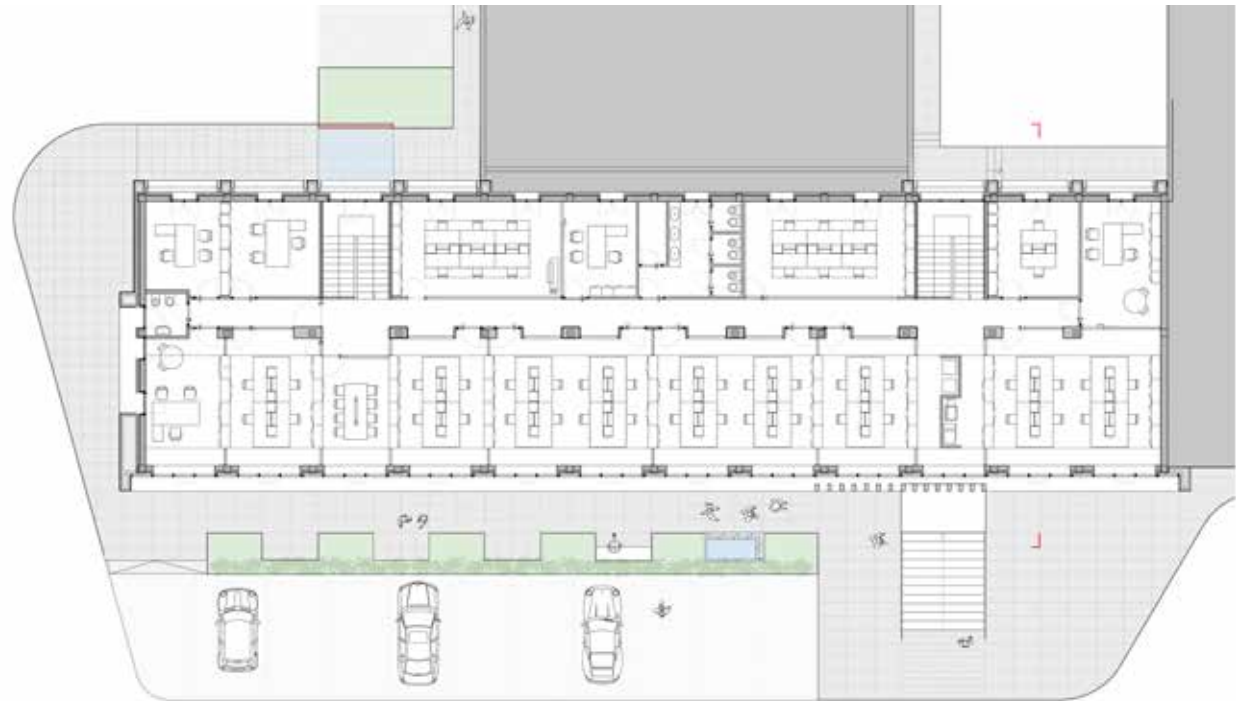
This project involved the upgrading of an office building in terms of both its architecture and energy performance, for a leading manufacturer of ceramic tiles. The geometric shape of the building was rationalised by demolishing the mismatched volumes that had been added over time and its overall appearance was given a more contemporary style to better reflect the identity of the company.



The facades have been treated as a kind of “manifesto” for the use of porcelain stoneware in architecture: the main elevation features a large cornice clad with tiles measuring 60 x 120 cm as well as large areas of ventilated facade with tiles measuring 90 x 60 cm. Further down, to screen a series of service windows, a brise-soleil system in square-sectioned tubular steel has been applied, also clad in ceramic. On the south side the ceramic cladding is combined with a photo-voltaic facade in amorphous silicone while on the west a series of brise-soleils with a rectangular section (also clad in porcelain stoneware) are set into a regular lattice of projecting cornices.

The project also included the reorganisation of the offices with a layout that responded more fully to the operative needs of the company and the modernisation of the spaces according to criteria of linearity, transparency and luminosity.

The exterior space was also addressed with the addition of a large, paved pedestrian area that functions as an open-air exhibition space, a new metal fence onto the street and a new signage totem. Particular attention was also given to the design of dramatic outdoor lighting.



**SCOPE OF WORKS**

Preliminary, final and executive design

**CONSTRUCTION COST**

1.500.000 €

**CLIENT**

Mirage Granito Ceramico S.p.A.

**TIMELINE**

2012-2013

**LOCATION**

Pavullo –MO (I)

**STRUCTURAL ENGINEERING**

Eng. Edoardo Poletti

**DIMENSIONS**

Plot area: 3.000 sqm  
Built area: 1.500 sqm

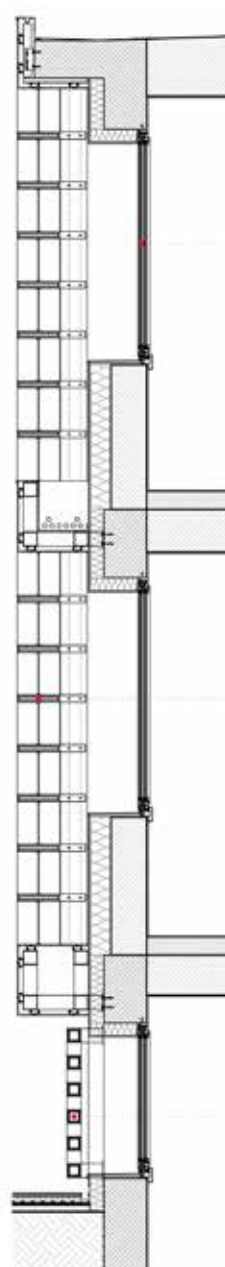
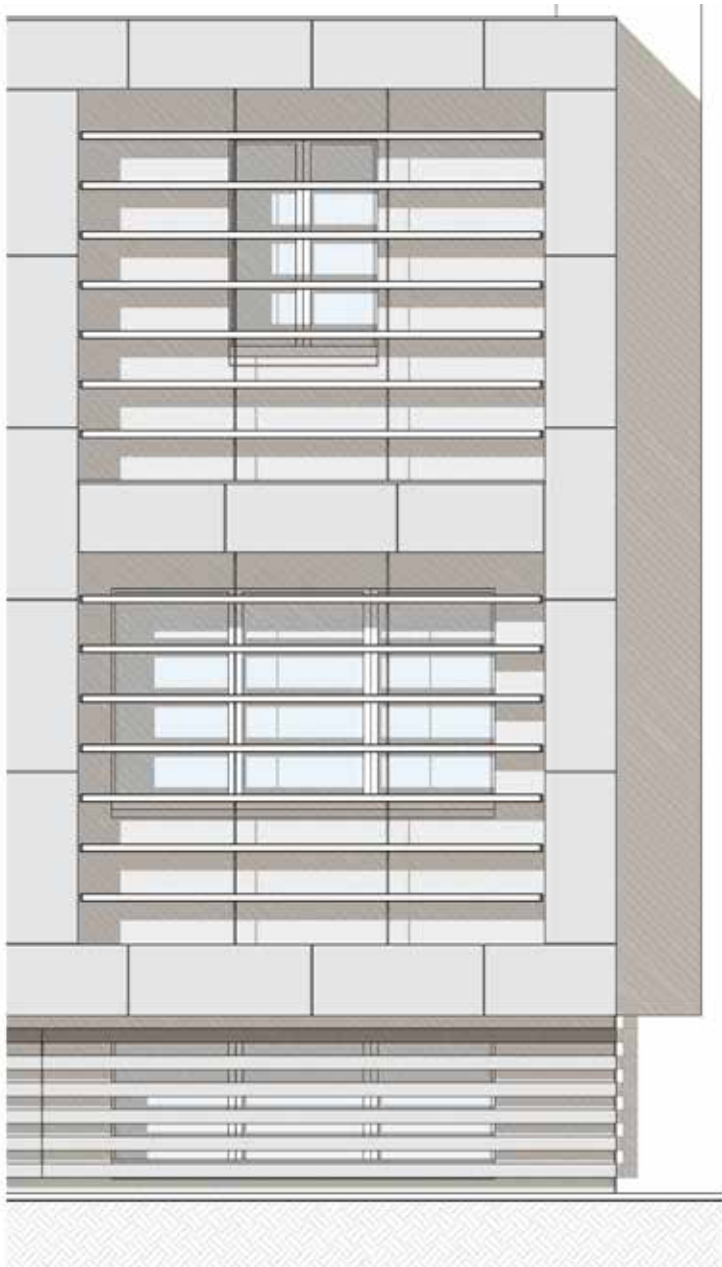
**ENERGETICAL ASPECTS**

Studio A+









**SISTEMA DI INVOLUCRO**

1. schermatura costituita da tubolari rivestiti in gres
2. frangisole a sezione rettangolare rivestito in gres
3. facciata ventilata rivestita in gres
4. infissi a taglio termico con gas argon
5. facciata fotovoltaica in silicio amorfo



# Bezalel Academy of Arts and Design New Campus, Jerusalem (IL)

The design aims to preserve the urban void between the historic buildings of the Russian Compound and to emphasize the magnificent perspectives toward Mount Scopus and Mount of Olives. With a sort of process of unearthing, the architecture is revealed from the ground: the central spine appears like a crevice while the volumes silently adapt to the existing topography generating a sequence of blocks at different levels.



## SCOPE OF WORKS

Two-phases design competition

**Honourable mention + Jury special Award**

## CLIENT

Bezalel Academy of Arts & Design

## LOCATION

Jerusalem (IL)

## DIMENSIONS

Plot area: 9.000 sqm

Built area: 44.000 sqm

## CONSTRUCTION BUDGET

60.000.000 \$

## TIMELINE

2007

## STRUCTURAL ENGINEERING

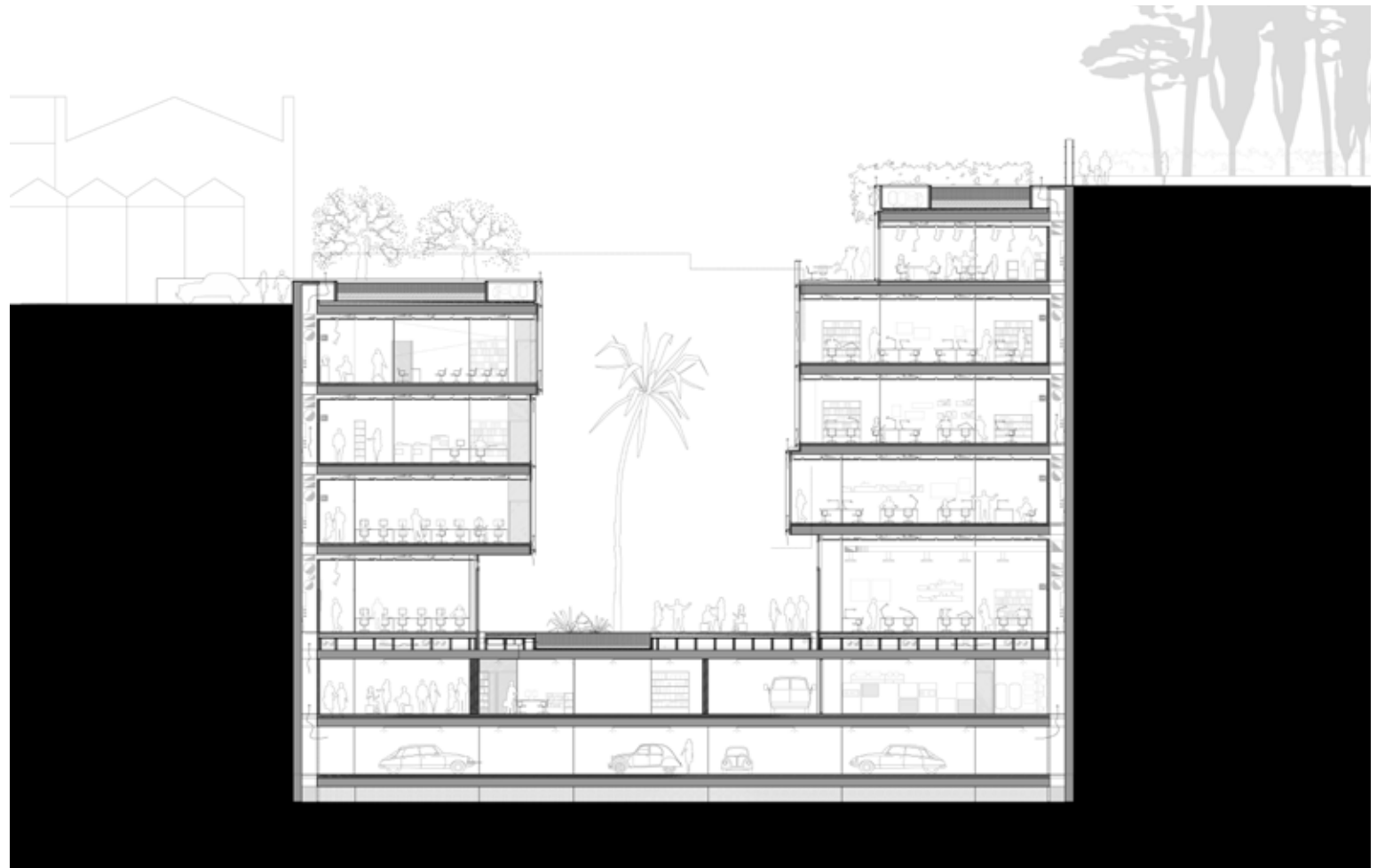
Favero & Milan Ingegneria S.p.A.

## MEP ENGINEERING

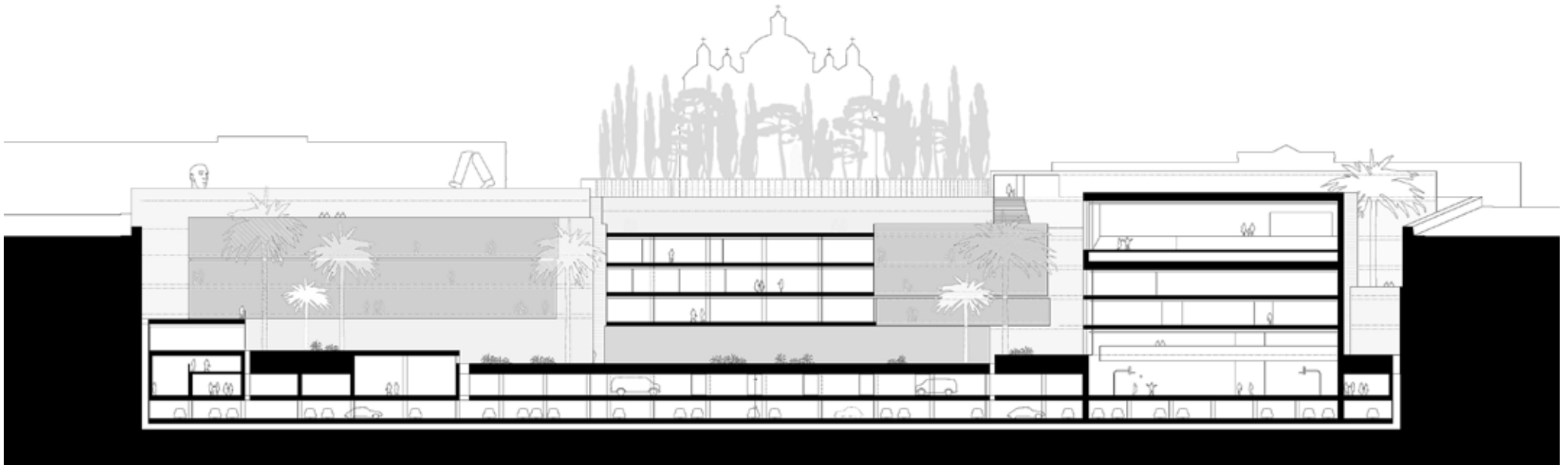
Favero & Milan Ingegneria S.p.A.

In the city of stone, the new Bezalel Academy campus will be sculptured in stone. On ground 0, along the building line of the nearby Orthodox Church, the roof surfaces will be opened to public use, thus creating a terrific terrace toward the eastern part of the city. At Level -1, on the western edge of the canyon, a North-South promenade links the two main entrances, providing accessibility to all the open activities of the Academy. Further down, private levels host departments and common spaces. At level -5 the canyon ground is a sort of multipurpose plaza for working, studying, relaxing, meeting and socializing.

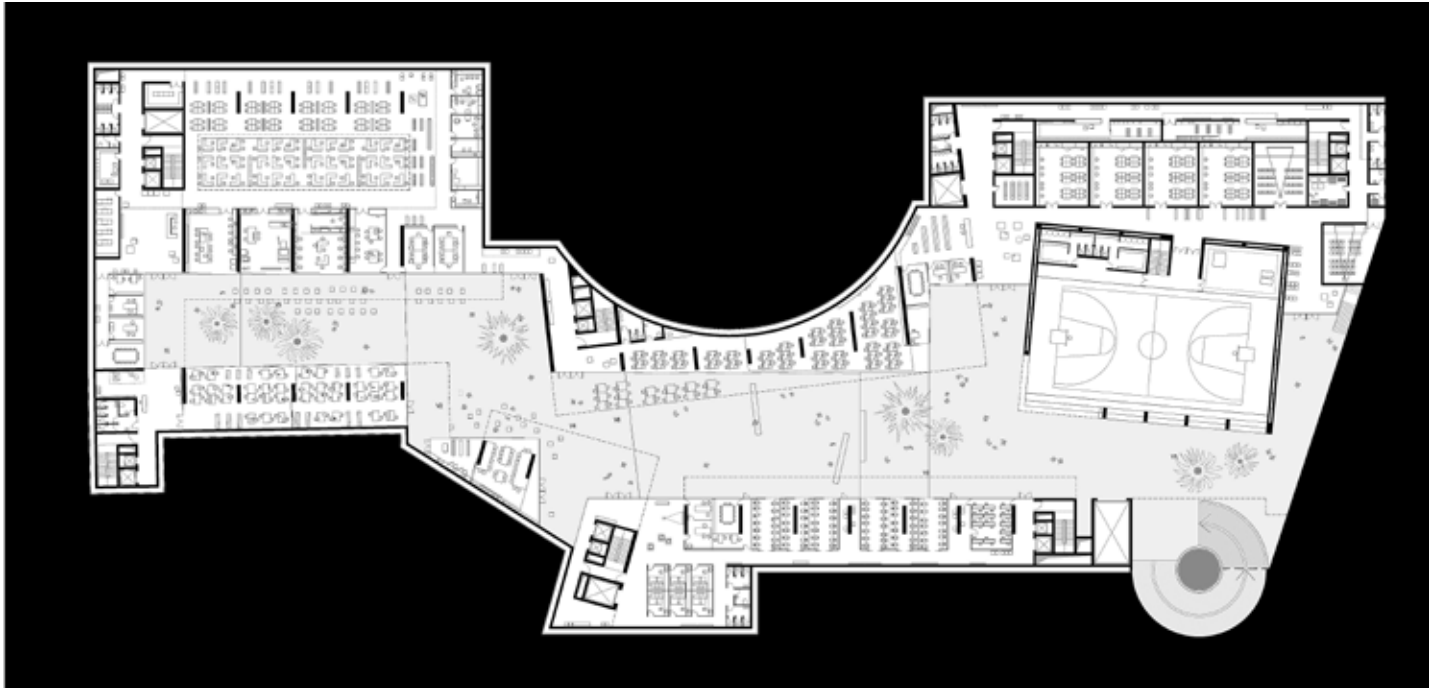
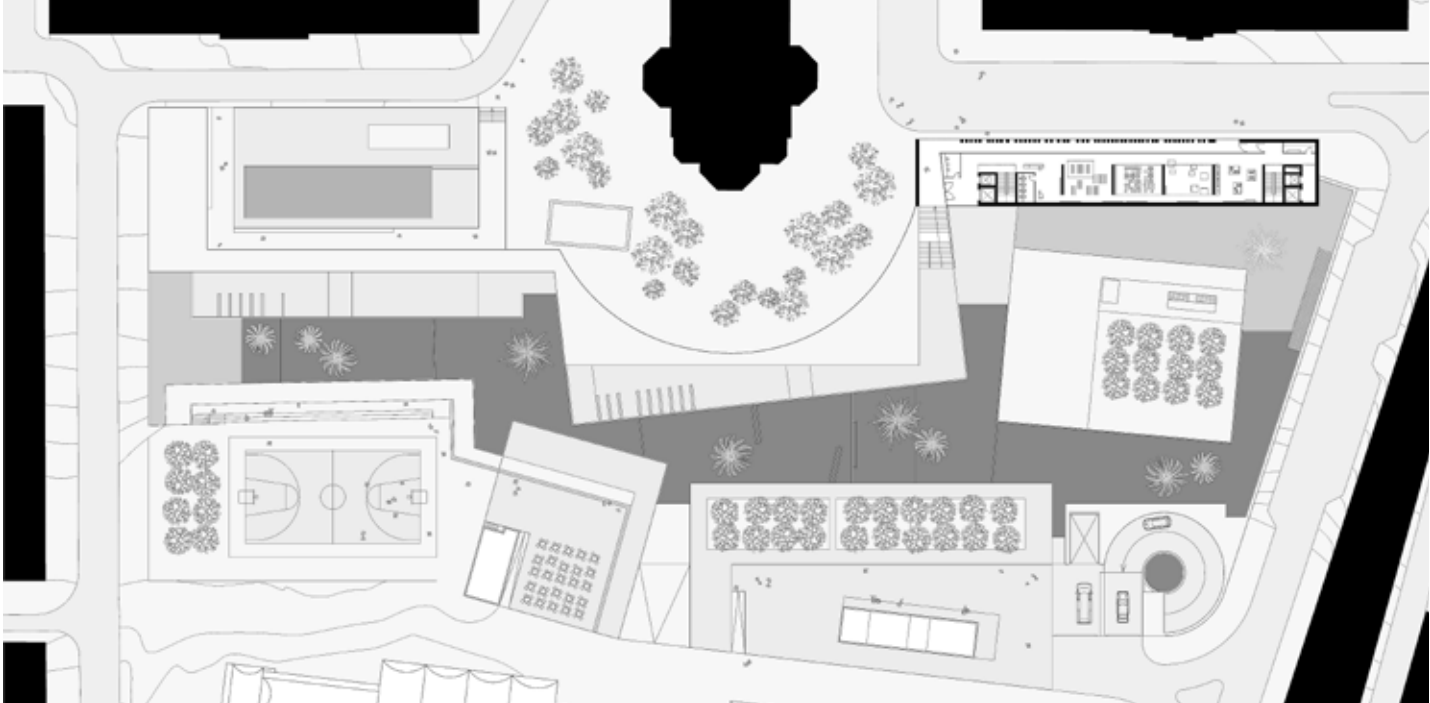
The layout of the departments is open and flexible and the majority of the areas will be adaptable for different uses during the year (temporary exhibitions, presentations, performances..). Like in a quarry, vertical and horizontal surfaces will be treated differently: the large horizontal surfaces, such as roofs, terraces and the canyon will be covered with traditional chiselled stone, whereas the vertical surfaces will be dressed with a system of large irregularly scored slabs.







Right: ground floor plan and -5 plan

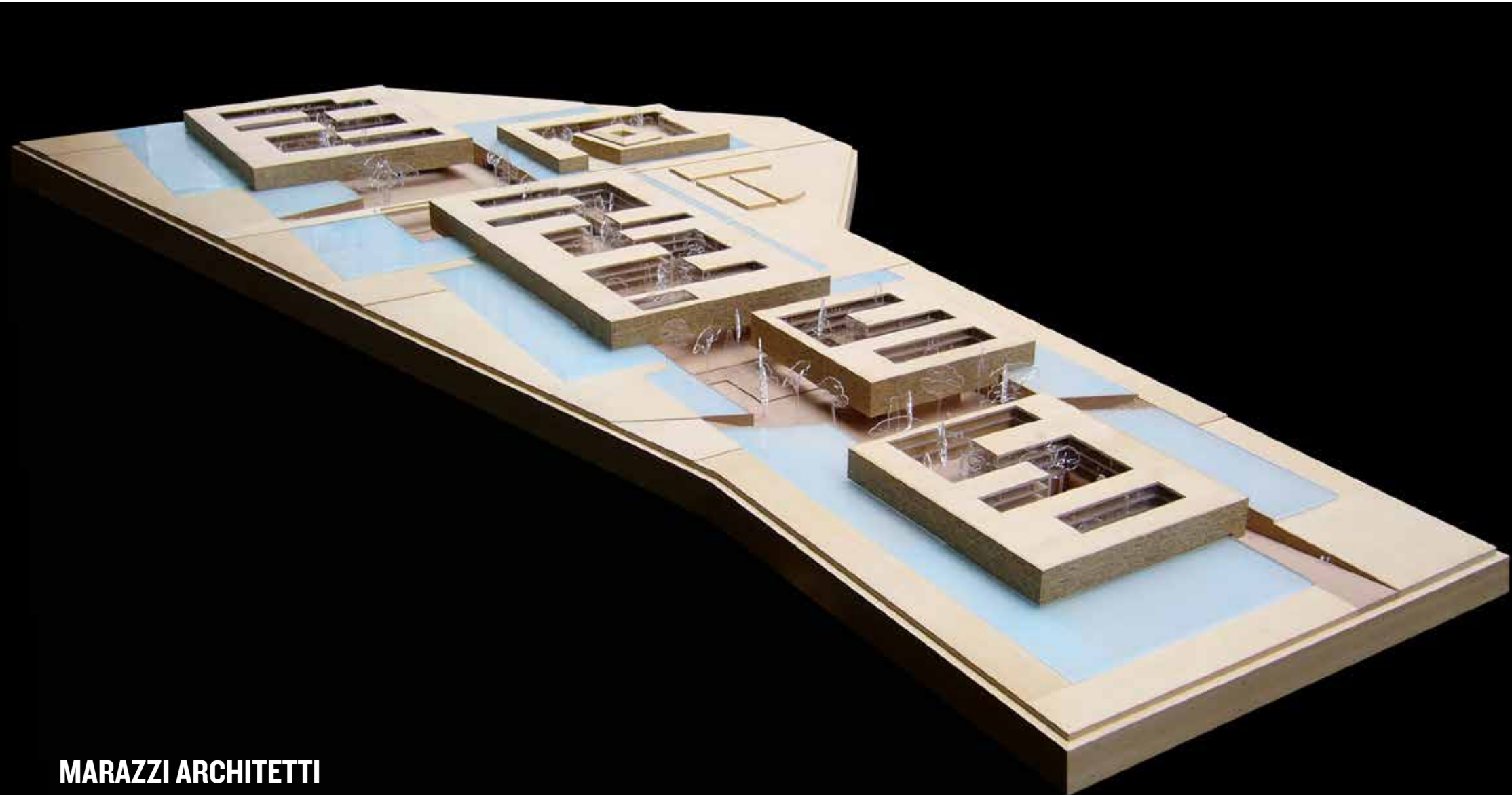




# University Campus of Medical Science, Granada (E)

In the heart of the torrid Andalusia, the concept of the design is derived from an idea of protection: the building sinks into the soil to find the most favourable microclimate, while the architecture rises towards the sky producing a dense system of shades to mitigate the intensity of the solar radiation.

The plan entails the construction of 4 faculties (Medicine, Pharmacy, Medical Sciences, Dentistry) and a building for General Services including a large library.



## SCOPE OF WORKS

Two-phases design competition

### Shortlisted design

## CLIENT

Universidad de Granada

## LOCATION

Granada (E)

## DIMENSIONS

Plot area: 100.000 sqm

Built area: 98.000 sqm

## CONSTRUCTION BUDGET

140.000.000 €

## TIMELINE

2006

## STRUCTURAL ENGINEERING

Favero & Milan Ingegneria

## MEP ENGINEERING

Eng. Michele De Carli

## LANDSCAPE DESIGN

Enrica Dallara

Matteo Zamagni

The customary horizontal relationship between open and built space is challenged; by leaving the ground free, the buildings allow the flow of connectivity. The result is a sort of east west oriented spine by which the life of the campus is literally elevated.

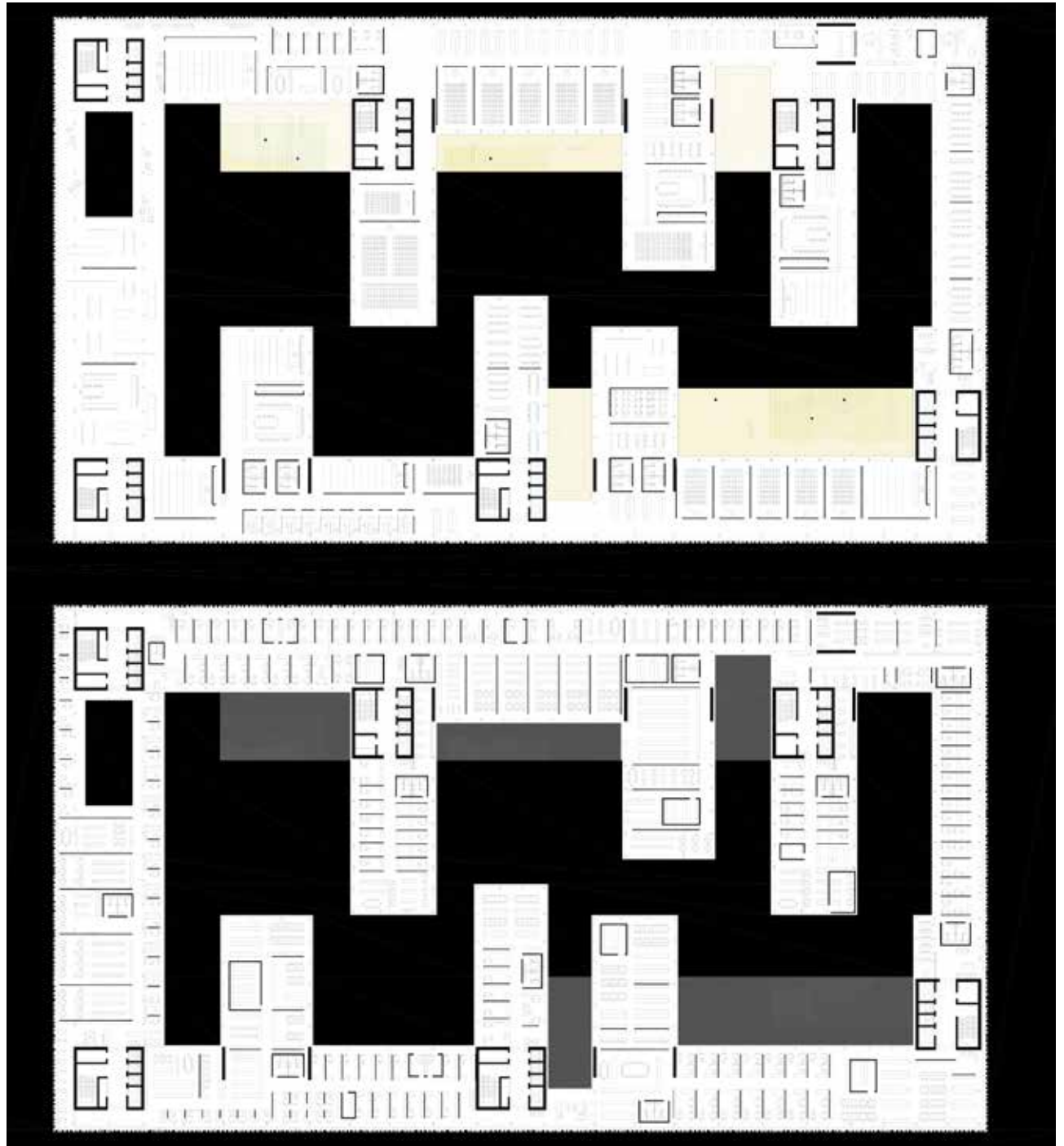
The spine provides access to the faculties, the general services and the largest classrooms; the garden becomes a real outdoor extension of the working/studying areas. The architecture presents a double character: the exterior stone facades give the building an introverted appearance from the street, whereas the interior's glass panelling gives it a more extroverted look from the courtyards.

Vast water surfaces, fed by collected winter rainwater, isolate the external fronts of the buildings producing scenic effects and indicate that life develops entirely inside. A further climatic filter will be constituted by the abundance of flourishing Mediterranean vegetation.









Right: medical school plan





# Mimetic Towers, Fujian (PRC)

The mimetic towers, planned for the development of coastal tourism in Fujian, are natural totems in stone made of overlapping monolithic blocks, where variable geometry comes from different programmatic functions at various levels. The standard multifunctional tower (73 floors, 304 m in height) consists of 28 residential floors, 18 office floors (services for tourism) and 20 floors for reception utility, but the flexibility of the scheme will permit each developer to transform and customize the configuration.





Public services, such as parking, shopping, entertainment and community establishments are located within the lower linear body of the tower (molecular links) whereas access to the towers are adjacent to open spaces. With regards to the technical side, the towers are built according to the typical structural scheme for tall buildings: a main core in concrete, which contains vertical connections and an outer ring of pillars. The external skin is therefore suspended. The sophisticated design of the facade emphasizes the relationship with nature not only for the obvious chromatic affinity, which gives the towers a definite mimetic character with the surrounding landscape, but also through the “natural” expression of the openings that was obtained by digitizing the granite pattern (green bowenite). From the exterior, the skin is perceived eroded by wind and subtropical rain; whilst from the interior, it functions as a protective filter and conveys the remarkable views of the surroundings.

#### SCOPE OF WORKS

Concept design

#### CLIENT

BCE Co. Ltd.

#### LOCATION

Fujian (PRC)

#### DIMENSIONS

Typical settlement: 25.000 inhabitants

Single tower's GFA: 96.000 sqm

#### CONSTRUCTION BUDGET

n/d

#### TIMELINE

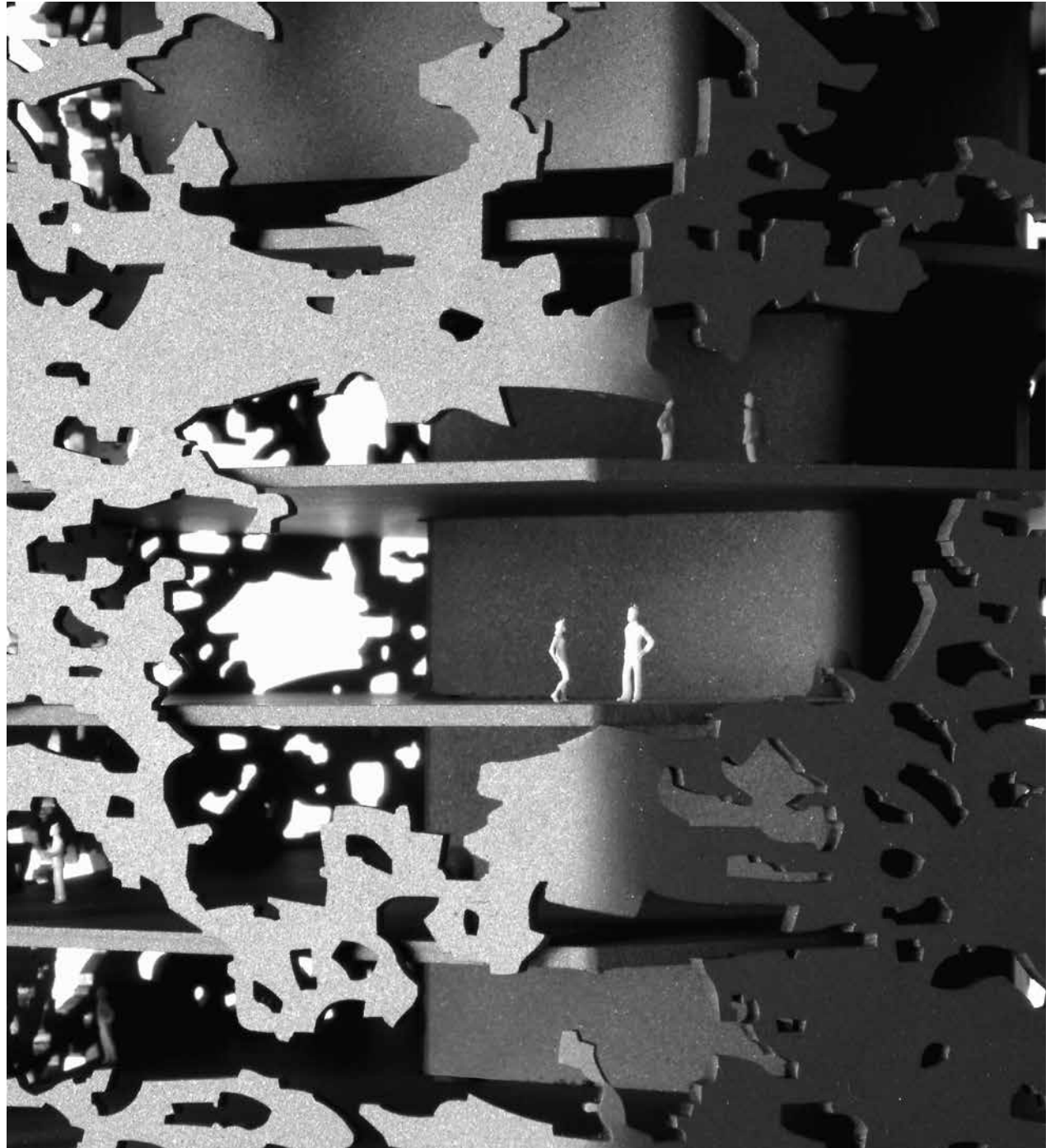
2005

#### STRUCTURAL ENGINEERING

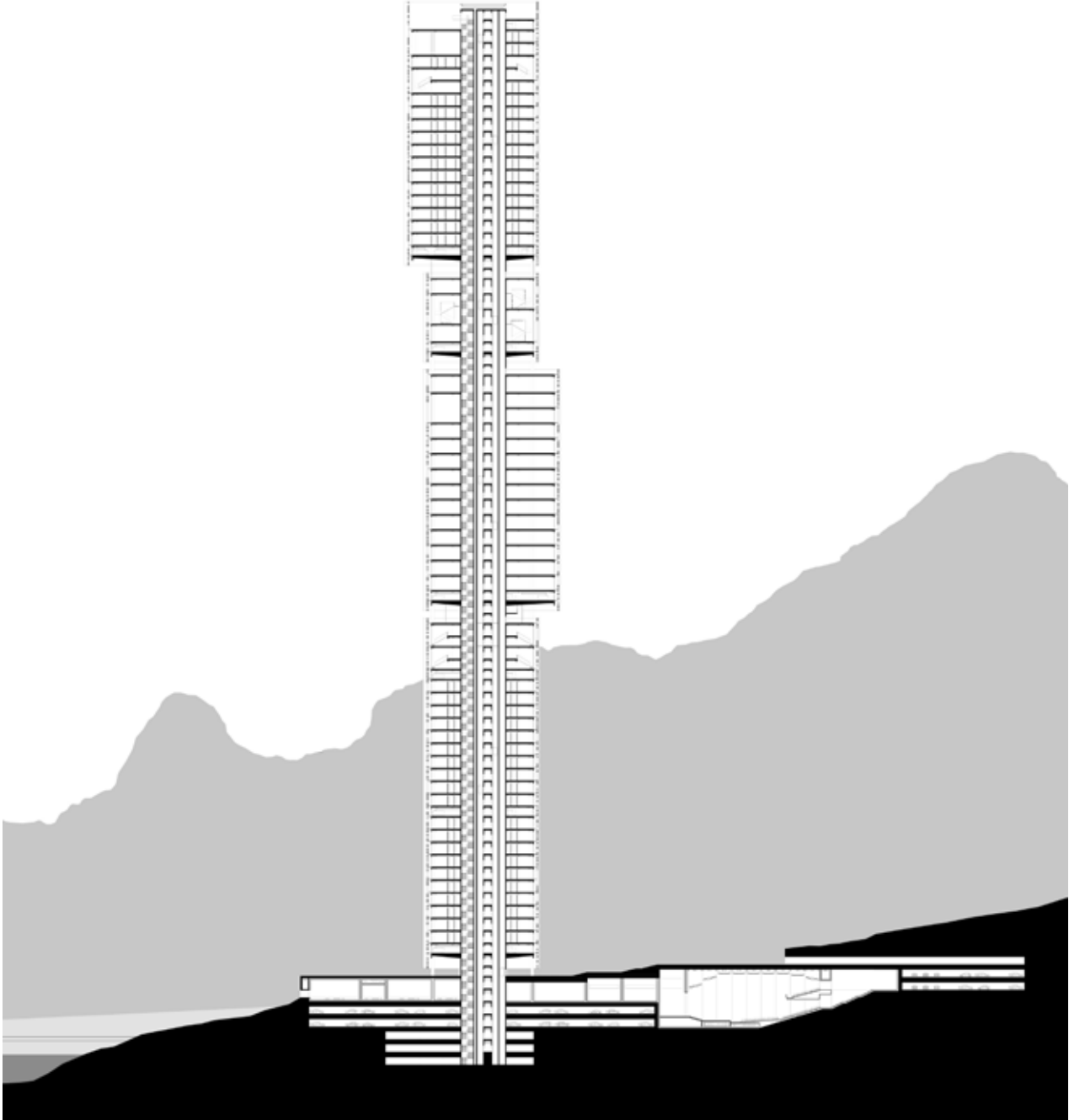
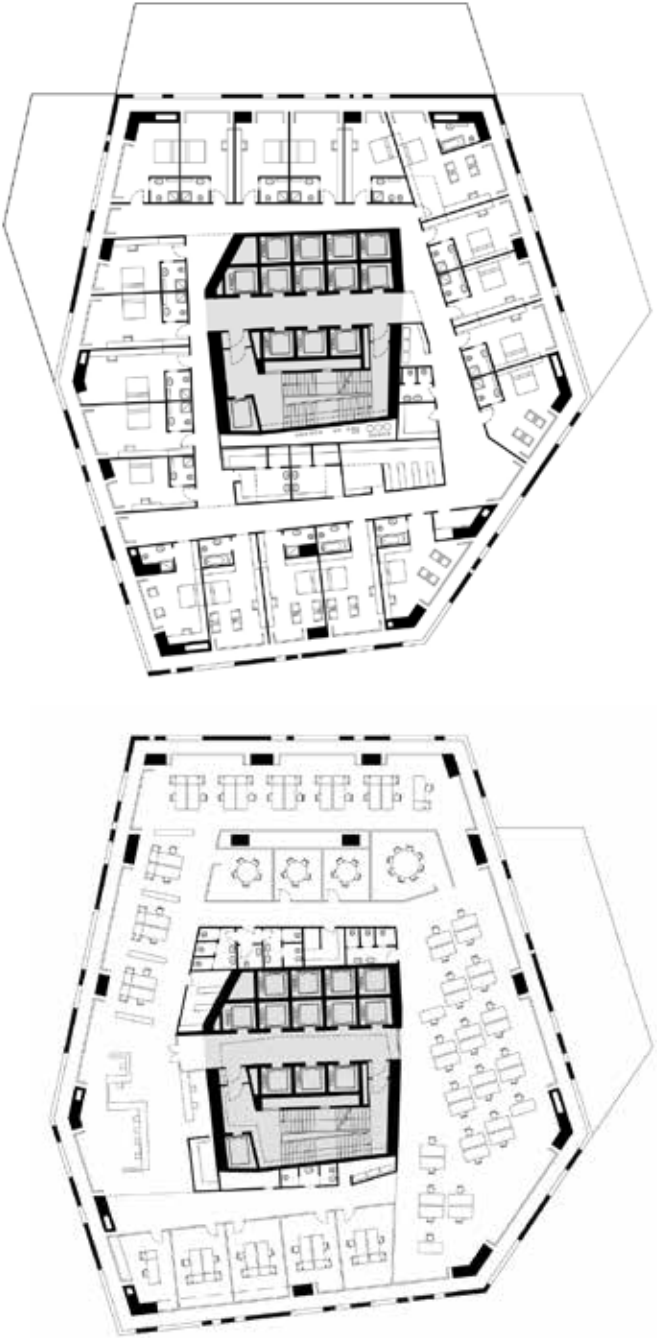
Palladio Engineering

#### MEP ENGINEERING

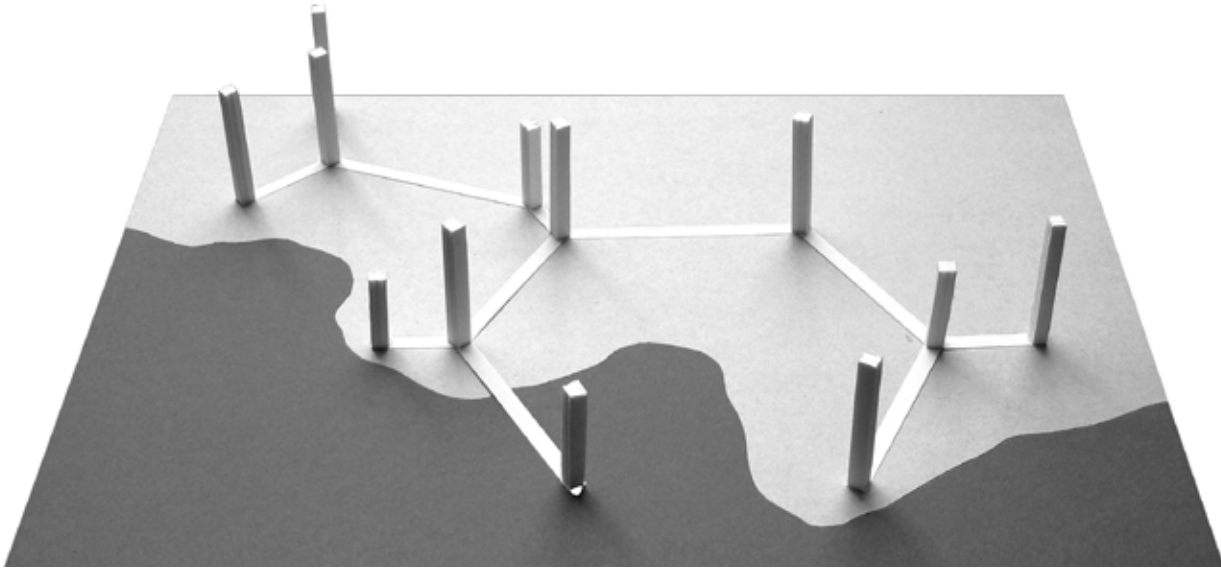
Palladio Engineering



Above: Hotel and offices typical floors Right: cross section







**MARAZZI ARCHITETTI**



## New Headquarters for the Province, Arezzo (I)

The design investigates a different form of work environment based on an idea of flexible and continuous space. The recurring combination of three elements of different lengths develops a constructed web where voids become rhythmically recurring polygonal patios. The web, which is ideally largely developed, acts a reference to the grid of urban design, and is intercepted and cut on the property boundary. By extrusion, it acquires a third dimension, made up of a continuous simple section.





## SCOPE OF WORKS

Single stage design competition

**Honourable mention**

## CLIENT

Provincia di Arezzo

## LOCATION

Arezzo (Italy)

## DIMENSIONS

Plot area = 15.700 sqm

Built area = 10.000 sqm

## CONSTRUCTION BUDGET

11.400.000 €

## TIMELINE

2005,

## STRUCTURAL ENGINEERING

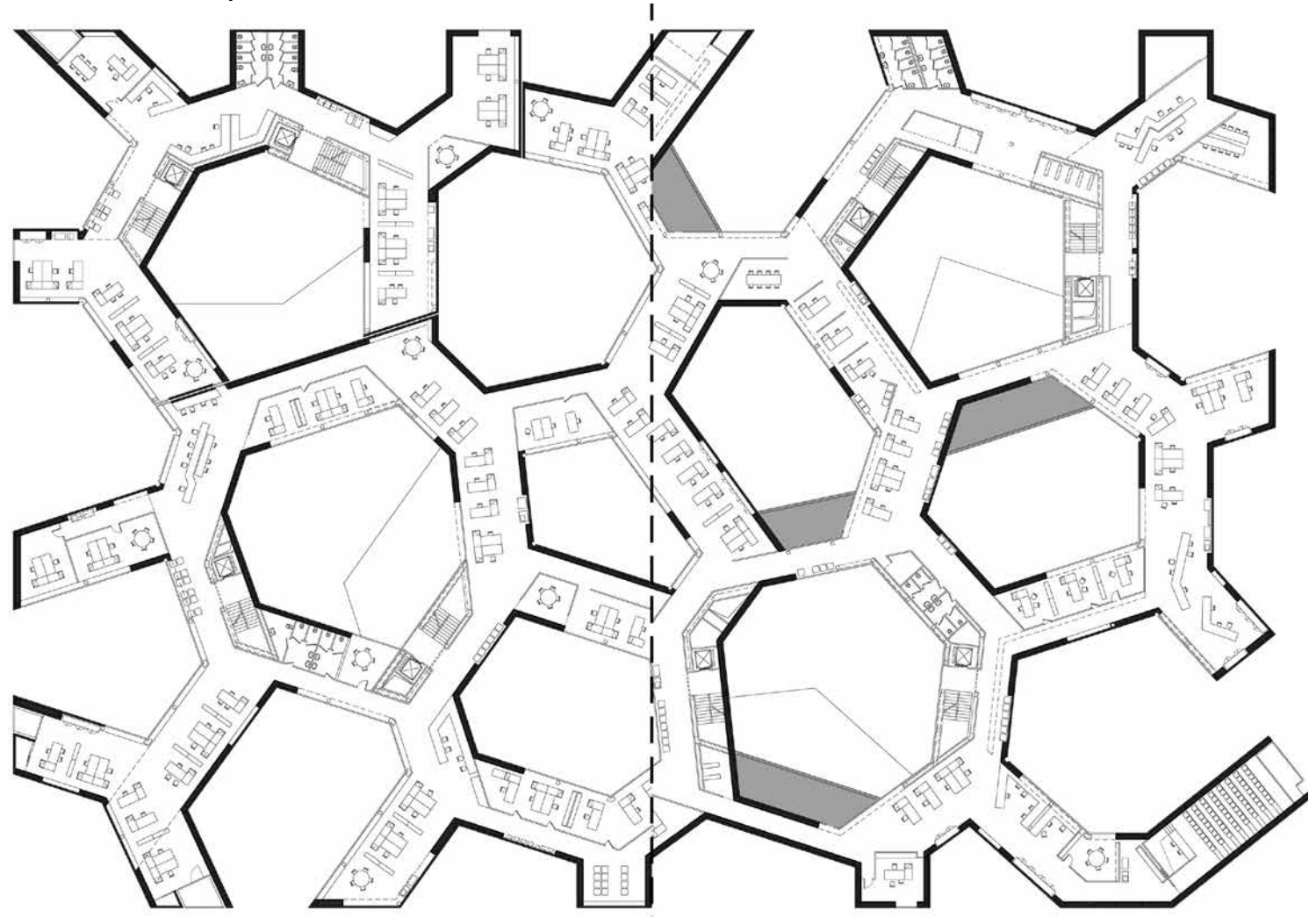
Favero & Milan Ingegneria

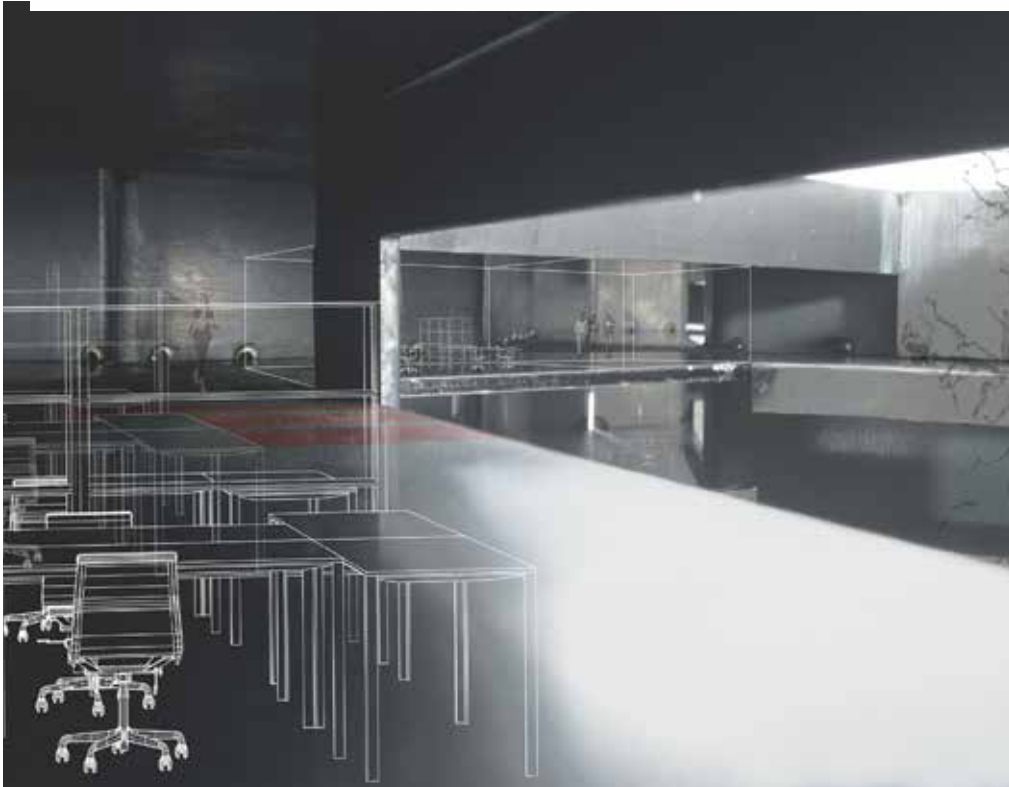
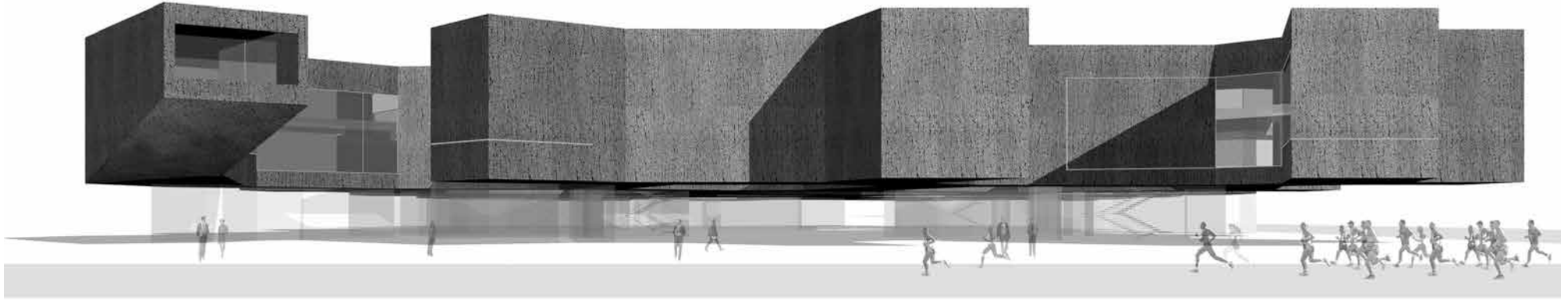
## MEP ENGINEERING

Manens Intertecnica

It will be built out of basaltine stone, a volcanic material known for its strength and density. The building is conceived to develop on a number of levels, clearly marked by their usage and spatial configuration. Ground zero will host operating and reception areas as well as information desks. Collective functions and services are to be found in the basement whilst offices are clearly separated from public areas and are to be found on two upper levels of the suspended volume.

Working areas present high environmental qualities: the reticular web like geometry allows a wealth of articulation of spaces thus avoiding the objectifying and repetitive effect found in many open space areas typical of the modern office buildings. The slender, regular section of the building reduces the need for openings to only one side; consequently, the building shows two different architectural identities; on the northern side, it appears pierced by large surface-mounted windows while the southern side, is blindly uniform.

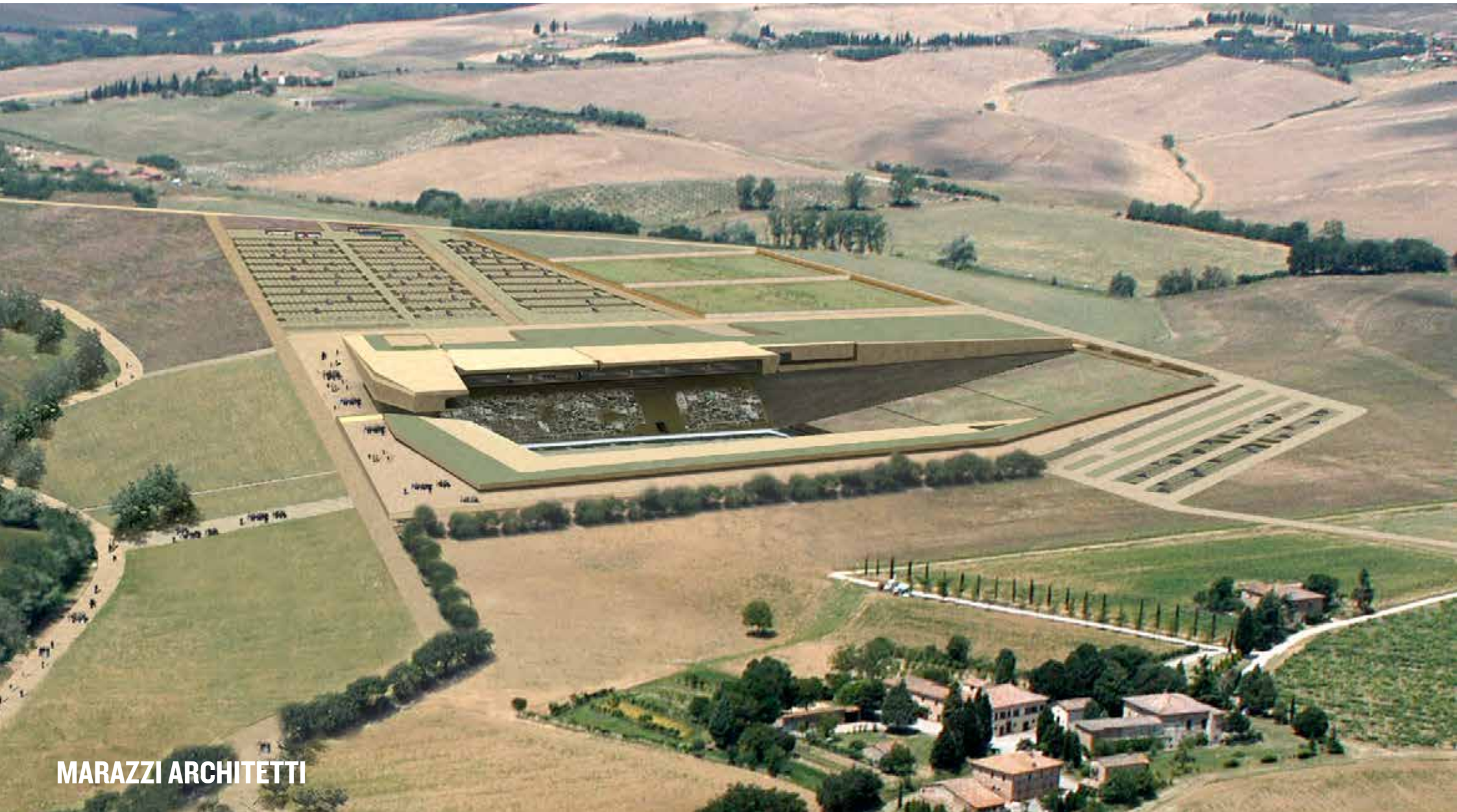






# New Municipal Stadium, Siena (I)

The inclusion of a vast sports complex in a particularly prized environment is the theme of the design. As a result the architecture shapes itself along landscape lines and by renouncing the customary visibility of large sports venues, it literally sinks into the ground.





Just like a Greek amphitheatre, the 21.000 viewers' stadium lies in a natural declivity, reducing the outstanding built volume to the minimum. On one side, the raising level of the pit instead of being occupied by seats is turned into a green parterre to host large events. The traditional enclosure of the stadium is abandoned to allow the landscape to flow in. The result is the north side totally opened up towards the magnificent view of Siena. From a practical point of view the stadium becomes a space to be used everyday and not only on specific sporting occasions whereby sport practices can coexist with other types of activities (such as restaurants, congress and commercial areas) which would produce sufficiently diverse revenues in order to guaranty continuous and independent financing of the entire system. Sustainability will be guaranteed by a large use of recycled material and renewable sources; in particular, the cladding will be made of a light concrete using local stone debris, specifically made to be employed here.



#### SCOPE OF WORKS

Two phases design competition  
1° Prize

#### CLIENT

Municipality of Siena

#### LOCATION

Siena (I)

#### DIMENSIONS

Spectators: 21.000  
Plot area: 400.000 sqm  
Built area: 30.000 sqm

#### CONSTRUCTION BUDGET

78.000.000 €

#### TIMELINE

2004-2008, final and executive design

#### IN COLLABORATION WITH

Iotti+Pavarani Architetti  
Giovanni Cenna Architetto

#### STRUCTURAL ENGINEERING

Favero & Milan Ingegneria S.p.A.

#### MEP ENGINEERING

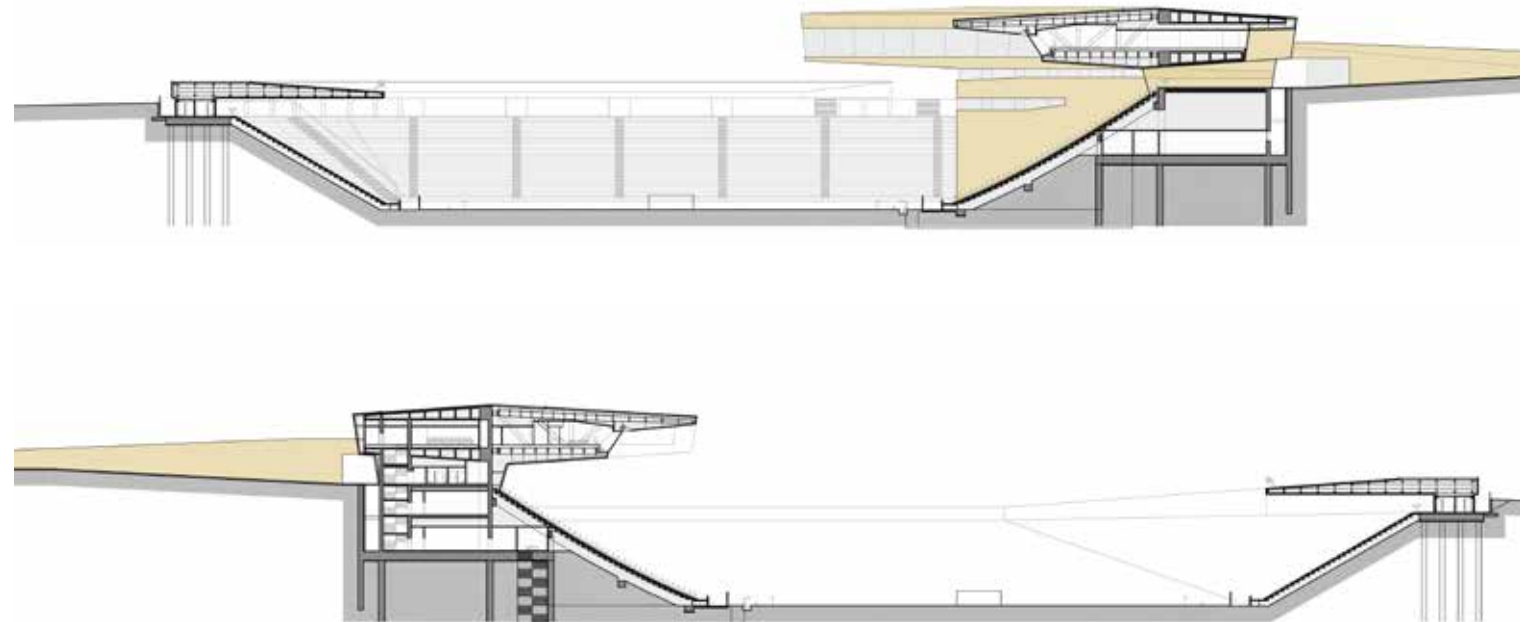
Manens Intertecnica S.p.A.

#### ENVIRONMENTAL SUSTAINABILITY

AI Studio









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