THE NEW BUILDING FOR ITU HEADQUARTERS IN GENEVA

Competition in Two Stages

Report of the Jury

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Report of the Jury

01 Client's preamble

The International Telecommunication Union (ITU) is the specialized agency of the United Nations for information and communication technologies (ICTs).

Based since its inception on public-private partnerships, ITU is an organization with a current membership of 193 Member States and almost 800 entities – Sector Members – mainly from the private sector and Academia. ITU is headquartered in Geneva (Switzerland) and has 12 regional and area offices around the world.

The ITU membership represents a broad spectrum of the global ICT sector, from major manufacturers and global operators to small, innovative companies working with new or emerging technologies, along with leading R&D institutions and academia.
Founded on the principle of international cooperation between governments (the Member States) and the private sector (Sector Members, Associates and Academia), ITU is the premier global forum where parties can work to achieve consensus on a wide range of issues affecting the future of the ICT sector.

Virtually all facets of modern life – in business, culture or entertainment, at work and at home – are dependent on information and communication technologies.

Today, there are several billion mobile phone subscribers worldwide, nearly five billion people with television, and tens of millions of new Internet users every year. Hundreds of millions of people around the world use satellite services – whether getting directions from a satellite navigation system, checking the weather forecast or watching television in a remote area. Millions more use video compression every day on their mobile phones, audio devices or cameras..

ITU is at the very heart of the ICT sector: it brokers agreements on technologies and services, and allocates global resources such as radio frequencies and orbital positions for satellites in order to create a global communications system that is seamless, robust, reliable, and in constant evolution.

Context of the headquarters site

ITU headquarters are located in Geneva near the Place des Nations on some 48 000 square metres of occupied administrative premises comprising three buildings.
The three buildings were built at different times and are of different construction.

- **The Varembé building:** This was the first building, constructed between 1958 and 1962, in the shape of a block 120 metres long consisting of five floors above a raised ground floor, running along one side of rue de Varembé. It accommodates 357 staff members and has a total surface area of 15 000 square metres.

- **The Tower:** This was the second building, constructed between 1970 and 1973, in the shape of a 15-storey pentagonal tower 57 metres tall. This building accommodates 310 staff members, and its basement houses three conference rooms with seating capacities of 340, 234 and 94. It has a total surface area of 21 000 square metres.

- **The Montbrillant building:** This was the third building, constructed following a design competition in 1999, and is situated at the corner of rue de Montbrillant and rue de Varembé. It is of plain design, with six floors whose facades are entirely of glass. It accommodates 107 staff members and has a total surface area of 12 000 square metres.

These three buildings are located in the International Organizations precinct.
The area's historical and symbolic dimensions, landscape design and special role make it a highly emblematic location. It stands out for the many large buildings it hosts representing the International Organizations.

The political authorities of the Canton of Geneva have developed a planning and reference tool in the form of a master plan for the area, the "Jardin des Nations" ("Nations Garden"), in order to manage the area's future development.

02 Organizer

With the assistance of the Building Foundation for International Organizations (FIPOI), ITU is organizing a competition for the construction of a New Building to replace the Varembé building, which is to be demolished.

ITU is directing the competition procedure and implementation of the project

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FIPOI is advising and assisting ITU, and overseeing the procedure for financing the New Building for which this competition is being held.
The Swiss Confederation intends to ensure the financing of the construction of the New Building, and will submit a credit request to the Swiss Federal Chambers. The credit will come in the form of a loan to ITU.

For information: FIPOI is a Swiss private-law foundation established jointly by the Swiss Confederation and Canton of Geneva in 1964. Under its statutes, its purpose is to facilitate the establishment of infrastructure required by international organizations having their main headquarters in Geneva and the Canton of Vaud.

For Stage One of the competition, FIPOI mandated the firm Baron & Chevalley, Architectes, to act as the secretariat.
For Stage Two, to maintain anonymity, the firm Étude Gampert & Demierre, Notaires, acted as the secretariat.

03 Type of competition and procedure

As with competitions organized in accordance with the procedures for awarding contracts for architectural services of the Swiss Society of Engineers and Architects (Société des Ingénieurs et Architectes (SIA)), the competition is an open international architectural design project competition comprising several stages.

Stage One is a competition to identify architectural partners whose proposals conform to the specifications and competition programme, including an assessment of the project's feasibility and consequences.

Stage Two, following on from the results of Stage One, provides an opportunity for selected competitors to develop their projects based on the Jury's report and an individual assessment.

The procedures applicable in Stages One and Two are to assure the candidates' anonymity until the Jury names the winning candidate. Only the notary knows the identities of the candidates selected for Stage Two. The notary informs them of all the documents and papers required for Stage Two, and acts as the secretariat for Stage Two until a decision is reached.

04 Statement of intent by the Client

The Client, namely ITU, intends in principle to issue to the winning candidate the architect's mandate to execute the project, subject to approval of the study and construction credits.

The mandate will include developing the project with the Client, preparing the building permit application, and drawing up a precise and complete overall estimate for the purposes of preparing the loan request.

These tasks must be completed by September 2018 at the latest.

This deadline is imperative and unchangeable, in order to allow the Client the necessary time to obtain the required authorizations from its governing bodies and the host country.

The mandate will also include the possible elaboration of a Local Zoning Plan (LZP) in collaboration with the staff of the State of Geneva, along with obtaining the required authorizations from the various bodies and authorities having jurisdiction.

Should the Client decide, for any reasons of its own and at any time prior to concluding a possible contract with the winning candidate, not to follow through on the objective of the competition, none of the candidates, including the winning candidate, is entitled to demand any justification or compensation of any kind.

It should be noted that the recommendation of the Jury does not constitute a decision to award the architect's mandate.

The Client reserves the right, at its sole discretion, to select the project of a candidate other than the winning candidate selected by the Jury: for example, if the winning candidate's profile is found to be incompatible with the objectives of ITU.

In order to ensure that the project is developed in accordance with the objectives of ITU, in terms of both the quality of the architectural product and compliance with the execution deadlines and costs, the Client reserves the right to request at any time that the winning candidate's team be complemented with experts chosen by agreement between, and with the approval of, the author of the project and the Client.

The Client may avail itself of this option in order, for example, to ensure compliance with construction procedures and practices in Geneva, or for any other reason at its sole discretion.

The decision to proceed with construction is subject to the granting of a loan by the host country and to approval of the project by ITU's governing bodies. Consequently, any mandate is subject to these conditions and to the obtaining of the various building permits, as well as to the concluding of a contract negotiated in good faith between the Client and the mandatary. ITU acts in good faith in organizing this competition.

05 The Client's aim and objective

After 55 years at its current headquarters site in Geneva, ITU is now committed to a major building restructuring project.

By Decision 588 of 10 June 2016, the Council of ITU decided in favour of the "Duo" scenario (scenario 2) set out in the feasibility study of 1 February 2016 (documents can be downloaded from the competition platform).

By holding the present competition, ITU expects to be able to house all its staff and activities in just two buildings over the long term, under an overall plan which seeks to achieve greater architectural and urban coherence, modernization, and more efficient site management.

This restructuring process will entail, first, the demolition of the Varembé building, which dates from the early 1960s and no longer meets modern building standards.
It will be replaced by the New Building, the construction of which is the object of this competition.

At the functional level, the New Building will need to be connected to the Montbrillant building, which will be retained.
After transferring activities to the New Building, with 723 new work spaces, ITU intends to turn the Tower over to a third party.

The strategy for the headquarters site project may be summed up as follows:
- Demolition of the Varembé building
- Construction of the New Building to which the present competition relates
- Transfer of the Tower to a third party

As well as being an important project in terms of architecture and urban planning, the New Building must also meet exemplary environmental standards.

Overall concept for the site project

This competition centres on defining an overall concept for the development of the site.
In this light, design of a possible thematic area included in the competition programme could be left to the candidate's discretion.

Candidates' designs must consider the development of the area around the New Building, incorporating UN-MOSS security measures to provide anti-vehicle and anti-intruder measures.

Objectives

ITU is seeking a design proposal which, in terms of urban planning, architecture and functionality, is well suited to the site and incorporates current environmental thinking.

Candidates are expected to propose economical solutions with respect to operating and maintenance costs, and architectural and technical concepts that contribute to environmental protection and respect sustainable development criteria.

The architectural

expression of the New Building, its integration into the site, its functionality and its connection to the existing Montbrillant Building are as much the objectives of the competition as adherence to execution costs.

The Client wants a high-performance building for its services in terms of office facilities.
The location of the multifunctional conference rooms and cafeteria/restaurant is an important element in this context.

The proposed building design must be capable of adapting easily at all times to ITU's evolving needs. Its different areas must be adaptable to different functions and be modular in design.

In view of ITU's role as the United Nations specialized agency for information and communication technologies, the New Building must embody the concepts of smart building technology, keeping pace as it evolves in the future.

When necessary, office space must be easily convertible into individual or mixed open-plan areas, at reasonable investment and operating costs.

ITU, having received the approval of its decision-making bodies for holding this international competition, has determined that the date for moving into and commissioning the New Building will be in 2024 if work proceeds according to schedule.

06 Programme

Some key elements of how the site is to function are set out below.

Main entrance and access

The entrance will be equipped with registration facilities for delegates and visitors. On the building's ground floor, accreditations (badges or electronic smart cards) will be issued allowing access to areas that are public or semi-public, or may be used for specific events (large conference rooms, cafeteria and exhibition spaces).
From this entrance, access to different activity areas will be authorized and secured by means of access controls.
Public and semi-public areas (conference rooms, cafeteria and thematic areas) will be clearly separated.
There will be an access point reserved for ITU staff, with an automated secure access system, on the Place des Nations side.
The New Building will also be provided with an access point for freight and deliveries.

Connection between buildings and flow of movement on the site

The connection between the Montbrillant building and the New Building will be very important from a logistical point of view.
One of the major concerns for the project concept is ease of communications and flow between services divided between the two buildings which will make up ITU headquarters.
Functional connections between the New Building and the Montbrillant building will be essential to facilitate flows of people, goods and energy.

Outdoor parking

The Place des Nations carpark (PPN) is very close to the site of the New Building, and so there are no plans to create additional covered parking spaces.
However, outside the New Building, 15 parking spaces will be needed for visitors' vehicles, including one space for a disabled person, as well as 40 spaces for motorcycles and scooters and 60 for bicycles.
These outdoor spaces must comply with United Nations security and safety standards (MOSS), with obstacles installed to keep vehicles and pedestrians at a distance

Rights of way

At ground-floor level between the Varembé building and the Montbrillant building there are two rights of way:

- one for vehicles allowing access to the Place des Nations carpark
- one for a pedestrian footpath between the rue Varembé and the Place des Nations

Description of main areas of the New Building

The competition programme is divided into 17 distinct parts:

1. Reception hall – Main entrance
2. Administration and offices: 723 work spaces
3. Conference rooms
4. Cafeteria/restaurant/kitchen
5. Thematic area (optional)
6. Cultural area
7. Sports area
8. Infirmary
9. Security area
10. IT rooms
11. Reprography
12. Workshops
13. Technical rooms
14. Storage areas
15. Unloading bay
16. Waste sorting area
17. Other areas

07 Assessment criteria

The Jury's primary criteria will be the quality and coherence of the design in relation to the requirements of the site, and the extent to which the design proposals respond to the Client's programme and objectives.

In Stage One

Proposals will be judged on the basis of the following criteria:

- Reflecting the universal character of ITU
  Absence of any signs or symbols of or reference to any particular religion, culture or State.

- Urban concept
  General quality of the project's integration into the site.
  Overall proportions and definition of access points.
  Consideration of UN-MOSS security and safety standards

- Architectural concept
  Architectural quality of the proposal
  Relationship between the different activities of the programme, the quality of circulation routes.

- Functionality quality
  Quality of the proposed organization, access and interior flows, including the link between the New Building and the Montbrillant building.
  Coherence in the distribution of programme elements.

- Economic and environmental quality
  Balance between the architectural concept and its overall economy.
  The capacity of the project to meet very high environmental expectations.

08 Composition of the jury

The Jury is made up as follows:

Chairman:

M. H. Radoine, architect
Director, National School of Architecture, Morocco

Membres:

Mr H. Zhao, Secretary-General of ITU

Ms D. Bogdan-Martin, Chief, ITU Strategic Planning and Membership Department

Ms E. Crochat, member of the ITU Staff Council

Mr D. Plesse, member of the ITU Council for Germany

H. E. Mr V. Zellweger, Ambassador Extraordinary and Plenipotentiary,
Permanent Representative of Switzerland to the Office of the United Nations and other international organizations in Geneva

Mr F. Della Casa, canton architect (DALE), Republic and Canton of Geneva

Mr G. Pricaz, Directorate of Real Estate Development, FIPOI

Mr M. J.-C. Tall, architecte
Chairman of the Board of Directors, Dakar University College of Architecture (CUAD), Dakar, Senegal

Mr S. Velez, architect, Colombia

Mr B. Khoury, architect, Lebanon

Ms M. Kaijima, architect, Japan

Ms S. Alam, architect, Russian Federation

M. J. Lucan, architect, France

M. L. Ortelli, architect, Switzerland
Professor at the Federal Polytechnic School of Lausanne

Alternates:	Mr M. Johnson, Deputy Secretary-General of ITU
	Ms P. Benoit-Guyot, Head, ITU Protocol Service
	Mr L. Ciavalino, member of the ITU Staff Council
	Mr H. Shirae, member of the ITU Council for Japan
	H. E. Mr A. Pérez, Ambassador, Deputy Permanent Representative of Switzerland to the Office of the United Nations and other international organizations in Geneva
	Mr P. Armaingaud, Director of FIPOI
	Mr M. Meier, Deputy Secretary-General, Department of the Presidency, Republic and Canton of Geneva
	Ms C. Ruffieux-Chehab, architect, Switzerland
	Ms C. von Roten, architect, Switzerland
	Ms L. Mechkat, architect, Switzerland
	Mr T. Broennimann, architect, Switzerland
	Mr C. Fruehauf, architect, Switzerland
Experts:	MMr A. Guillot, Head, ITU Legal Affairs Unit
	Mr A. Ba, Chief, ITU Financial Resources Management Department
	Mr E. Dalhen, Chief, ITU Human Resources Management Department
	Mr A. Norsker, Chief, ITU Information Services Department
	Mr D. Donovan, Head, ITU Safety and Security Division
	Mr A. Elsherbini, Chief, ITU Conferences and Publications Department

Mr P. Ransome, Head, ITU Facilities Management Division

Mr J.-F. Luscher, Director, Monuments and Sites Service, Heritage and Sites Office (DALE), Republic and Canton of Geneva

Mr A. Mathez, Executive Assistant, Office of Building Permits (DALE), Republic and Canton of Genevaes et des publications de l'UIT

09 Prizes, commendations and awards

For this two-stage competition, a total of CHF 320 000, exclusive of tax, is available to the Jury for awarding five to seven prizes and other commendations and awards.

An award of CHF 12 000, exclusive of tax, is allocated to each candidate whose design is accepted for consideration in Stage Two and is in accordance with the Regulations, Specifications and Site Programme.

10 Timeline

Stage One	
Registration opens	
Publication on the Swiss public procurement site (SIMAP): https://www.simap.ch/	5 April 2017
Deadline for receipt of candidates' queries by e-mail	21 April 2017
Starting date for posting of the Jury's responses	28 April 2017
Registration closes	5 May 2017
Deadline for submission of project proposals	19 June 2017
Decision by the Jury	27 June 2017
Notary informs candidates selected for Stage Two	3 July 2017
Stage Two	
Deadline for candidates to confirm their participation in Stage Two (to be sent to the notary)	7 July 2017
Deadline for the Jury's intermediate report and programme to be sent to successful candidates meeting the entry requirements	14 July 2017
Circulation by the notary of specifications for architectural models	17 July 2017
Deadline for receipt of candidates' queries to the notary	31 July 2017
Starting date for the transmittal of the Jury's responses by the notary	7 August 2017
Deadline for submission of project proposals	25 October 2017
Deadline for submission of models	27 October 2017
Final decision by the Jury	7 November 2017
Notification of competition results	13 November 2017
Final competition report	January 2018
Exhibition of all designs admitted to the competition	First half of 2018

11 List of project proposals submitted in Stage One

The organizer received 85 registrations.

The firm Baron & Chevalley, Architectes, received 76 project proposals.

Proposal 77991, received after the closing date, was disqualified.

Proposal IIII1420000, which was not presented in accordance with Regulations, was disqualified.

The proposals received by the deadline of 19 June 2017 specified in the Regulations, and in conformity with those Regulations, were as follows:

Cwg-hdq-neo
@Hermes
Through form
GEO-MEO-LEO
COLLAGE
! TWUIT !
110101
Présence
20170608
TRAIT D'UNION1
DATACITY
9392907573
MOLAMOL
COUR VAREMBÉ
LA PIERRE 21
PARABOL
MOTTO190617
ENFILADE
SOCIALROUTE
HB9-UIT
BT7R2SGT4
IN & OUT
PLUG AND PLAY
13571113
barre (S)
THE LINK 2
CHIRON
Effervescence
ROSETTA
TRAIT D'UNION 2
DONOTDEMOLISH
Radio days
TERRASSES UIT
2012913B
ENOTIKON
FREQUENCE
AA00002007
ICLIVEBLDGS
PQ173NBITUG
925WASYESTERDAY
COMPACT WHITE
GENIUS LOCI
CONVERGENCES
CONFLUENCE
4298370
20110301
UIT-Y-EXT
RUE ET JARDIN
XXXX46N6E
BEL ETAGE
DAIDALOS
HANGINGARDENS
DOMUS UIT
MICROCOSME
1-2-3 FOR A
I46131344G
CLOUDCOM
BRISK PASSAGE
FOUR PEAKS
MOON-024
MOLNIA
5PLATFORMS
P36377363P
ZAM8609
THE LINK 1
Trees
THE GARDENS
INTERWEAVE
ANTENNA
NAVAL2017
ABELINE
VICEVERSA
NU553BAUE52W
PEMAE12

12 Enumeration of project proposals submitted in Stage One

The sealed envelopes containing the candidate identification fiches were transmitted to the notary.
The 74 proposals submitted were posted.
The 74 proposals were complete, and were put forward for initial review.

13 Stage One initial review of project proposals submitted

Initial review of the project proposals submitted was carried out by the following experts:

Mr A. Guillot, Head, ITU Legal Affairs Unit
Mr A. Ba, Chief, ITU Financial Resources Management Department
Mr E. Dalhen, Chief, ITU Human Resources Management Department
Mr A. Norsker, Chief, ITU Information Services Department
Mr D. Donovan, Head, ITU Safety and Security Division
Mr A. Elsherbini, Chief, ITU Conferences and Publications Department
Mr P. Ransome, Head, ITU Facilities Management Division
Mr J.-F. Luscher, Director, Monuments and Sites Service, Heritage and Sites Office (DALE), Republic and Canton of Geneva
M. A. Mathez, Executive Assistant, Office of Building Permits (DALE), Republic and Canton of Geneva

The organizer's secretariat took note of the experts' observations so that they could be transmitted to the Jury when it made its decision.

14 Project proposals accepted for consideration

The Jury, chaired by Mr Hassan Radoine, met on 27, 28 and 29 June 2017 at ITU headquarters in Geneva.

Mr H. Zhao, Secretary-General of ITU, being excused, was replaced as a member of the Jury by his alternate, Mr M. Johnson, Deputy Secretary-General of ITU.

H. E. Mr V. Zellweger, Ambassador Extraordinary and Plenipotentiary, Permanent Representative of Switzerland to the Office of the United Nations and other international organizations in Geneva, being excused, was replaced by his alternate, H. E. Mr A. Pérez, Ambassador, Deputy Permanent Representative of Switzerland to the Office of the United Nations and other international organizations in Geneva.

Mr J. Lucan, architect, being excused, was replaced by his alternate, Ms L. Mechkat, architect.

Having taken into account the enumeration of the project proposals and whether or not they were in conformity with requirements, the Jury decided unanimously to accept for consideration all proposals submitted, provided that they contained no identifying information and that they met all requirements as to form.

15 Examination of project proposals

The Jury, as a group, conducted an initial examination of the project proposals.

Following detailed examination of all proposals, the Jury determined that the great majority of the proposals met the principal requirements set out in the specifications and site programme, with two exceptions:

- DONOTDEMOLISH, which did not provide for the removal of the existing building but instead provided for the rehabilitation of that building
- IN & OUT, which provided for the New Building to be erected outside the competition site perimeter

The Jury decided unanimously not to exclude any proposal from eligibility to receive a prize.

16 Results of Stage One

16.01 First assessment round

The Jury looked at each project on the basis of the following assessment criteria:
- General quality of the project's integration into the site
- Overall proportions and definition of access points
- Architectural quality in the context of its environs
- Functionality of principal activities
- Relationship between the different sectors of the programme
- Quality of interior traffic flows, including the link between the New Building and the Montbrillant building

Based on the foregoing criteria, the Jury decided to identify the proposals that only partially met one or more of the assessment criteria. The Jury examined and discussed each proposal, identifying its strong points and its shortcomings.

The following project proposals were eliminated because they only partially met the assessment criteria:

Cwg-hdq-neo
@Hermes
Through form
! TWUIT !
110101
Presence
9392907573
MOLAMOL
HB9-UIT
BT7R2SGT4
PLUG AND PLAY
13571113
barre (S)
CHIRON
TRAIT D'UNION 2
Radio days
TERRASSES UIT
2012913B
ENOTIKON
AA00002007
ICLIVEBLDGS
PQ173NBITUG
COMPACT WHITE
GENIUS LOCI
CONVERGENCES
4298370
20110301
RUE ET JARDIN
XXXX46N6E
HANGINGARDENS
1-2-3 FOR A
CLOUDCOM
BRISK PASSAGE
FOUR PEAKS
MOLNIA
5PLATFORMS
P36377363P
ZAM8609
ANTENNA
NAVAL2017
ABELINE
NU553BAUE52W
PEMAE12

16.02 Second assessment round

The Jury proceeded mindfully to deepen its examination, focusing especially on the following criteria:

- Integration into the site, overall proportions and definition of access points
- Architectural quality in the context of the project's environs
- Link between the New Building and the Montbrillant building
- Quality of the proposal's functionality and compliance with the programme

The following project proposals were eliminated at this point:

LA PIERRE 21
PARABOL
MOTTO190617
ENFILADE
SOCIALROUTE
DAIDALOS
I46131344G

16.03 Third assessment round

The Jury then analysed the remaining project proposals further, with particular emphasis on this criterion:

- Reflecting the universal character of ITU

The following project proposals were eliminated:

COLLAGE
20170608
TRAIT D'UNION1
THE LINK 2
Trees
Fréquence
VICEVERSA

16.04 Further round to review the preliminary Stage One results

Before confirming the definitive selection of project proposals accepted for consideration under Stage Two, the Jury made a final review by re reading all the proposals. No additional proposals were accepted.

16.05 Final Stage One results

The Jury unanimously decided that the following 15 project proposals were accepted for consideration under Stage Two:

925 WASYESTERDAY
Bel Etage
Confluence
Cour Varembé
Datacity
Domus UIT
Effervescence
Geo Meo Leo
Interweave
Microcosme
Moon-024
Rosetta
The Gardens
The Link 1
UIT-Y-EXT

The Jury decided that, should any of the project proposals accepted for consideration under Stage Two be withdrawn, no other proposals would be identified as alternates.

17 Comments by the Jury and recommendations to candidates whose proposals were accepted for consideration in Stage Two

The jury made the following general comments regarding the projects that it had examined under Stage One, and which had been accepted for consideration under Stage Two.
Clarifications reflecting the Client's wishes are listed later in this section.

17.01 Comments by the Jury

General remarks
Under Stage Two, the Jury expects participants to pay particular attention to the following points:

Urban concept
Proposals under Stage Two must be consistent with their preliminary intentions, whilst complying with legal constraints and building regulations.
Particular attention must be paid to access systems and relationships to the surrounding roads and the ITU park, including pedestrian footpaths. Access to the building must, without fail, conform to UN-MOSS security standards (see project competition document 1.15.14).

Architectural concept
Proposals must develop the spatial qualities of the building's public areas (entrance, conference rooms, cafeteria, etc.), taking into account the nature and character of work spaces as well

Functionality
Proposals must not only show the work spaces but also show their flexibility in different arrangements (individual offices, open space, combi, cluster, etc.), allowing for the possibility of reconfiguring work spaces in modular fashion to keep pace with changes in ITU's organizational structure (see annex).
Optimizing and facilitating internal circulation flows must also be given particular attention.
In this context, the structural connections to and from the Montbrillant building must be clearly drawn or described.
A clear separation between public areas, semi-public areas and work areas (from the standpoint of their spatial relationships and positioning) is required in order to facilitate traffic flows and assure the greatest possible ease of movement, all in accordance with security standards.

Economic aspects
In order for the Client to be provided with credible cost forecasts, surface areas and volumes must be calculated carefully and the materials and techniques used must be described in detail in accordance with the specific requirements indicated in the Stage Two programme.

Environmental and sustainability aspects
Proposals must show in detail all the measures taken with a view to reducing energy requirements, in accordance with the requirements laid out in the Stage One programme. In addition to the factors commonly taken into account, particular attention must be paid to the maximum allowance for earth-moving.

Universal character of ITU
The architectural character of the building and its symbolic – and perhaps iconic – aspect are as shown in the annex.

17.02 Observations and clarifications expressed by the Client, ITU, at meetings of the Jury

General observations

ITU is the specialized agency of the United Nations for information and communication technologies (ICTs), which drive the evolution of the world we live in and are a key factor in sustainable socio-economic development. In addition to its 193 Member States, ITU includes within its membership the world's largest corporations in the telecommunication, information technology and Internet sector, plus a growing number of other entities in a wide range of other sectors of activity that depend increasingly on ICTs. A great many ITU activities form part of the work of achieving the Sustainable Development Goals set out by the United Nations, including initiatives aimed at reducing and adapting to the effects of climate change. Among other things, ITU has its own project concerned with smart, sustainable cities.
The New Building must epitomize this essential role of technology and of ITU itself, and put forward an image and create an environment that stand as benchmarks for ITU members. This building, situated at the heart of Geneva's international organizations precinct, must embody those values.
As indicated in the competition document, ITU's vision of the New Building is that of a smart building that uses the latest technology, is self-contained, can evolve to keep pace with future innovations and is adaptable to the introduction of flexible working methods. Its ability to evolve means that the building must be adaptable to changes in the work environment and the institutional culture which will be brought about by technologies such as artificial intelligence, megadata, the Internet of things, and so forth

From that perspective, the following points must once again be stressed:

- The building must be environmentally sustainable.
- The building must be energy-efficient.
- The building must be adaptable to flexible working methods, as ITU intends to use open and evolving spaces as part of its organization.
- The building must meet United Nations security requirements, including in regard to vehicle and pedestrian perimeters.
- The building must be emblematic and stand as an example of ITU's essential role.

Additional observations in specific areas

Open/evolving spaces

With very few exceptions, this organizational approach using open/evolving spaces will be something new for ITU staff members and must therefore be devised with great care, taking into account ITU's multicultural environment and the diversity of procedures involved.
This organizational approach will be synonymous with the introduction of flexible working methods, including telework, and will make it necessary for change management measures to be adopted, together with a new institutional culture oriented towards an entirely digital work environment in which digital identity, digital location, digital collaboration, and digital access to premises, meeting rooms, information content and co-workers will all be geared to efficiency and effectiveness. These changes will be the subject of close coordination with ITU staff members and will require special coordination and great dedication on the part of the architect selected.
The space available in the building has to be optimized to the maximum extent possible, making it possible for modular landscape office layouts to be configured that are ultra-modern and highly flexible. ITU wants to put in place a calm, effective work environment, and is considering, for instance, using mobile telephones on silent mode to replace some landline telephones, installing a lot of small rooms appropriate for holding small meetings or making telephone calls, setting up separate spaces for coffee or lunch breaks, all with natural light, good sound insulation and the option to reconfigure work spaces to adapt to different procedures.

Staff members should be able to make the most of the site's magnificent view of Geneva, so sight lines from work spaces should not be blocked.
To maintain a degree of privacy, work spaces should not place individuals face to face.

For people with reduced mobility, all areas of the building and of the premises as a whole must be accessible. The building environment must not present obstacles, and must have proper egress so that anyone injured can be evacuated from the building and transferred to an ambulance.
The building must also provide indoor and outdoor areas for relaxation, where staff members can engage in informal discussions whether amongst themselves or with delegates or visitors.
Certain functions require utter confidentiality, so it is essential that the work environment afford such confidentiality where necessary.

Structure of ITU

Today, ITU has nearly 700 permanent staff members housed in the three buildings making up its headquarters in Geneva. The Montbrillant building houses about 100 staff members. ITU has four main organizational components: the General Secretariat (SG), which currently has 367 staff members; the Radiocommunication Bureau (BR), which currently has 136 staff members; the Telecommunication Standardization Bureau (TSB), which currently has 53 staff members; and the Telecommunication Development Bureau (BDT), which currently has 136 staff members. In addition to the permanent staff members, the premises also have to be able to accommodate some staff members working on short-term contracts, consultants and interns (about 80). The offices of the Secretary-General and the Deputy Secretary-General need to be grouped together with the office areas of the General Secretariat, while the offices of the Directors of the three Bureaux need to be grouped together with the office areas of their respective Bureaux. The General Secretariat comprises six departments or other principal units, BR comprises four departments, TSB comprises three departments and BDT comprises four departments. The Secretary-General, the Deputy Secretary-General, the Directors of the three Bureaux, and the department chiefs will have individual offices with the dimensions indicated in the competition document.
Each department is further subdivided into divisions and other units. They vary in size and may evolve as time goes by in response to organizational restructuring. Each division may need its work space organized differently from others, depending on its functions and procedures.
It is hoped that the arrangement of work areas for all staff members will enable them to interact easily, promote team spirit and encourage a spirit of solidarity with ITU.

Conference rooms

As an international body, ITU takes in a highly diverse group of people around the world. They are many thousands of representatives of governments, the private sector, academia and civil society. ITU is an organization that provides a forum for meetings, and the work of those meetings is based on contributions that are submitted. ITU organizes many meetings presided over by a chairman and, in principle, one or more vice-chairmen. These meetings range from having 10 to 50 participants, typically in a "meeting room" configuration, to having 400 to 500 participants, typically in a "classroom" configuration where the chairmen, vice-chairmen and secretariat are on the podium. All meeting rooms have to be equipped with video-conferencing technology. Large meeting rooms (over 100 seats) have to be fitted with interpretation booths to accommodate interpretation services into all six languages, including for those participants taking part by video-conference. We particularly draw your attention to the specifications for conference rooms set out in the competition document, and in particular the requirement that the meeting room having a 500-seat capacity must be divisible into four rooms and of that the meeting room having a 234-seat capacity must be divisible into two rooms (§3.02.3).
In addition, the optional thematic space of 1,000 square metres should be configured so that it can serve as an additional meeting space – specifically, as another large room that is divisible or as individual rooms – able to seat at least 150 people in a "classroom" configuration. As an option, a small gallery using virtual reality could be installed in that space. If meeting rooms are square or rectangular, they are more easily divisible. Natural light in meeting rooms, particularly in large rooms, is not essential.
Every day, there are on average at least 400 people, in addition to staff members, entering ITU premises.

Security

As indicated in the competition document, the building must comply with the minimum operating security standards applicable to the United Nations system (UN-MOSS). These standards apply equally to the ITU buildings' indoor and outdoor spaces. The UN-MOSS standards are used to protect buildings and premises and are based on "multi-level reinforced security associated with strict access controls" at access points to the outdoor property as well as to the building. The document "Normes UN-MOSS (Anglais).pdf", is mentioned in the competition document as one of the documents available for download (No. 1.15.14).

Consequently, solutions have to be put in place around the property to shield against threats associated with a hostile vehicle or pedestrian. The perimeter beyond which vehicles cannot pass could be protected by means of security barriers. Should the building be too close to the roadway, it would be necessary to install an explosion protection wall and design that area so that there are no offices or work spaces immediately behind it. The perimeter beyond which pedestrians cannot pass could be protected by means of a security barrier or fence, typically 2 metres to 2.5 metres in height. On an exceptional basis, an infrared detection system could be used in those locations where the building's facade is adjacent to the property line. These solutions to mitigate security risks could be combined and should be installed around the entire ITU property. Nevertheless, on the Montbrillant building side, this device would end at the municipal right-of-way for vehicles allowing access to the Place des Nations carpark and the right-of-way for pedestrians between the rue de Varembé and the Place des Nations carpark.

For anyone to gain entry into the pedestrian perimeter, he or she must have proper accreditation and go through the system of security controls. No one must be able to gain entry into that perimeter if he or she does not have proper accreditation. The security service responsible for issuing accreditation for entry into that perimeter must be positioned away from the rest of the building to reduce security threats (a ground-level structure, for example): for that reason, it would be preferable for the security service responsible for issuing accreditation to be positioned on the side of the building facing the avenue Giuseppe Motta.

Height

With respect to proposals that would limit the height of the New Building to that of the Montbrillant building (i.e. 27 metres), ITU would prefer the New Building to be slightly taller than the Montbrillant building (e.g. 35 metres). ITU would request a height derogation. With that in mind, the New Building should be at least 35 metres away from other buildings (with the exception of the Montbrillant building and the Tower).

Entrance

ITU would be favourable to having a second pedestrian entrance for accredited individuals from the rue Giuseppe Motta. To do that, the property situated within the project perimeter could be used right out to the rue Giuseppe Motta. There is also the possibility of an entrance for vehicles from the rue Giuseppe Motta for high-level individuals visiting ITU (but not for utility or freight vehicles).

ITU amateur radio station

The existing Varembé building houses the ITU amateur radio station (call sign 4U1ITU), and its antennas are installed on the roof. The highest roof of the New Building needs to be compatible with the installation of those antennas, which weigh no more than 200 kilograms. Consequently, the roof will need a solid base measuring 8 metres by 8 metres on which to install them; access to the building's electric power system and to the radio cables connecting the antennas to the radio station's offices; and access to the cargo lift. As indicated in the competition document, 25 square metres of space is needed for the premises occupied by the radio station within the New Building.

Guarantee of anonymity
To assure the anonymity of those submitting project proposals, the Jury's comments and the Client's observations and clarifications have been transmitted to competitors through the notary, Ms. Françoise Demierre-Morand of the firm Étude Gampert & Demierre-Morand in accordance with the specified provisions as to procedure.
A basic design sample has also been transmitted to competitors through the notary.

18 Résultats du deuxième degré

18.01 Observations and clarifications prepared by the Client, ITU, during meetings of the Jury

The firm Baron & Chevalley, Architectes, received the 15 project proposals accepted for consideration under Stage Two and the corresponding models by the deadlines indicated in the Regulations for the Project Competition:

925 Wasyesterday
Bel Etage
Confluence
Cour Varembé
Datacity
Domus UIT
Effervescence
Geo Meo Leo
Interweave
Microcosme
Moon-024
Rosetta
The Gardens
The Link 1
UIT-Y-EXT

18.02 Observations and clarifications prepared by the Client, ITU, during meetings of the Jury

The sealed envelopes containing the candidate identification fiches were transmitted to the notary.
The 15 proposals submitted were posted.
The 15 proposals were complete, and were put forward for initial review..

18.03 Stage Two expert review of project proposals submitted

Expert review of the project proposals submitted was carried out by the following experts:

Mr A. Guillot, Head, ITU Legal Affairs Unit
Mr A. Ba, Chief, ITU Financial Resources Management Department
Mr E. Dalhen, Chief, ITU Human Resources Management Department
Mr A. Norsker, Chief, ITU Information Services Department
Mr D. Donovan, Head, ITU Safety and Security Division
Mr A. Elsherbini, Chief, ITU Conferences and Publications Department
Mr P. Ransome, Head, ITU Facilities Management Division
Mr J.-F. Luscher, Director, Monuments and Sites Service, Heritage and Sites Office (DALE), Republic and Canton of Geneva
M. A. Mathez, Executive Assistant, Office of Building Permits (DALE), Republic and Canton of Geneva

18.04 Project proposals accepted for consideration under Stage Two

The Jury, chaired by Mr Hassan Radoine, met on 7, 8 and 9 November 2017 at the International Conference Centre Geneva (CICG).
Mr H. Zhao, Secretary-General of ITU, being excused, was replaced as a member of the Jury by his alternate, Mr M. Johnson, Deputy Secretary-General of ITU.

H. E. Mr V. Zellweger, Ambassador Extraordinary and Plenipotentiary, Permanent Representative of Switzerland to the Office of the United Nations and other international organizations in Geneva, being excused, was replaced by his alternate, H. E. Mr A. Pérez, Ambassador, Deputy Permanent Representative of Switzerland to the Office of the United Nations and other international organizations in Geneva.

Having taken into account the enumeration of the project proposals and whether or not they were in conformity with requirements, the Jury decided unanimously to accept for consideration all proposals submitted, provided that they contained no identifying information and that they met all requirements as to form..

18.05 Examination of the project proposal

The Jury, as a group, examined the project proposals accepted for consideration under Stage Two, with the architectural plans and models before them.
Mr Hassan Radoine, Chairman of the Jury, recalled the assessment criteria.

The Jury looked at the proposals in great detail and discussed them extensively, identifying each one's strong points and shortcomings with specific reference to its architectural aspects, organizational aspects, construction aspects and economic aspects.

The Jury decided unanimously not to exclude any proposal from consideration, or for the awarding of prizes, or for claims for compensation.

18.06 First assessment round

The Jury looked critically at each project on the basis of the following assessment criteria:

- Development of the initial design proposal
- Integration into the site
- Architectural treatment
- Facade design and materials
- Functionality and consistency with the programme
- Functionality of conference rooms
- The project's potential adaptability and flexibility

- Treatment of outdoor spaces
- Economic and environmental quality

The following project proposals were eliminated because they only partially met the assessment criteria:

Confluence
Domus UIT
MOON 024
THE LINK 1

18.07 Second assessment round

The Jury then went on to conduct a more detailed analysis, taking account of the assessment criteria as a whole, especially the criteria associated with UN-MOSS security standards.

The following project proposals were eliminated.

925 Wasyesterday
Bel Etage
Effervescence
Geo Meo Leo
Rosetta
The Gardens
UIT-Y-EXT

18.08 Ranking of project proposals

The Jury reviewed the remaining proposals for the purpose of awarding prizes and commendations.

Following extensive reasoned discussion, and keeping in mind the assessment criteria as a whole, the Jury, by a majority, agreed upon the following ranking:

First place:	MICROCOSME
Second place:	INTERWEAVE
Third place:	DATA CITY
Fourth place:	Cour Varembé

18.09 Prizes, commendations and awards

In accordance with section 9 above concerning prizes, commendations and awards pursuant to the provisions with respect to the competition procedure, the Jury
- decided, by a majority, not to present any commendations, and
- decided, by a majority, to award the following prizes:

First place:	First prize: MICROCOSME	CHF 50 000	(exclusive of tax)
Second place:	Second prize: INTERWEAVE	CHF 40 000	(exclusive of tax)
Third place:	Third prize: DATA CITY	CHF 30 000	(exclusive of tax)
Fourth place:	Fourth prize: Cour Varembé	CHF 20 000	(exclusive of tax)

The Jury confirmed the award of CHF 12 000, exclusive of tax, allocated to every candidate whose design is accepted for consideration under Stage Two, in accordance with section 9 above concerning prizes, commendations and awards.

18.10 Acknowledgements and recommendation by the Jury

The Jury thanked all the candidates that had participated in Stage One and Stage Two for the quality of the work submitted.

The Jury recommended to the Client that the architect's mandate be issued to the author of the winning project: MICROCOSME.

18.11 Approval by the Jury

Chairman :

Mr H. Radoine

Members:

Mr M. Johnson

Ms D. Bogdan-Martin

Ms E. Crochat

Mr D. Plesse

H. E. Mr A. Pérez

Mr F. Della Casa

Mr G. Pricaz

Mr M. J.-C. Tall

Mr S. Velez

Mr B. Khoury

Ms M. Kaijima

Ms S. Alam

Mr J. Lucan

Mr L. Ortelli

18.11 Lifting of anonymity for the projects awarded prizes

After the proposals were ranked, the Jury was joined by a representative from the firm Étude Gampert & Demierre-Morand and, together with that representative, proceeded to open the sealed envelopes and reveal the names, by order of ranking.

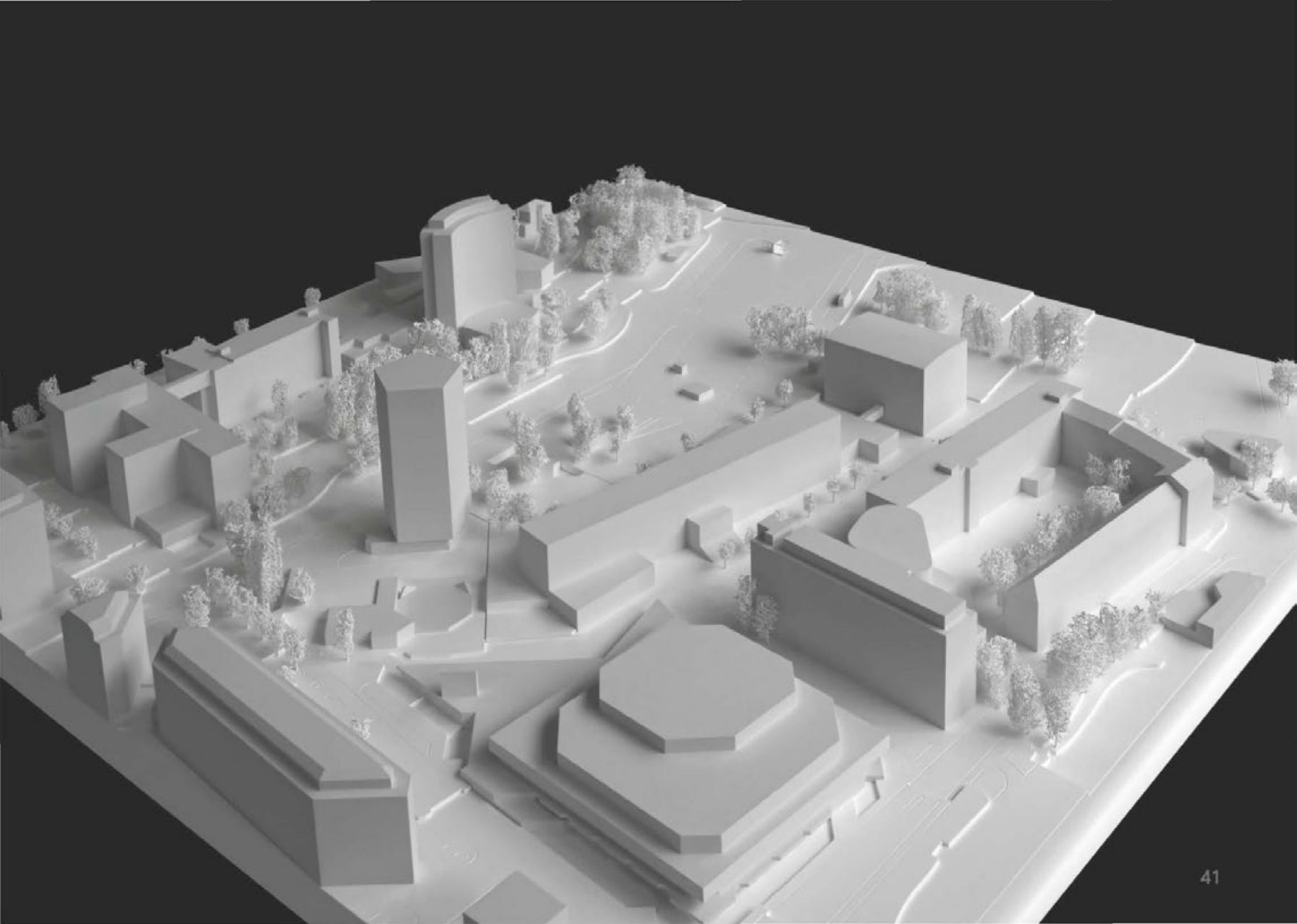
First place: First prize: MICROCOSME
Christian Dupraz, Architecte – Geneva, Switzerland

Second place: Second prize: INTERWEAVE
Consortium CF Moller Architets et Staëlin Architectes – Copenhagen, Denmark, and Délémont, Switzerland

Third place: Third prize: DATA CITY
Romain Ecorchard Architectes sas – Lyon, France

Fourth place: Fourth prize: Cour Varembé
Dürig AG – Zurich, Switzerland

Current state of the site



Project proposals ranked according to prize

MICROCOSME

First place, first prize

Office :
Christian Dupraz Architecte
Rue de la Caroline 17C
1227 Les Acacias
Suisse

Author(s) :
Christian Dupraz
Zeno Cattani
Raphaël Pache

Associate(s) :
Zeno Cattani
Raphaël Pache
Thierry Manasseh

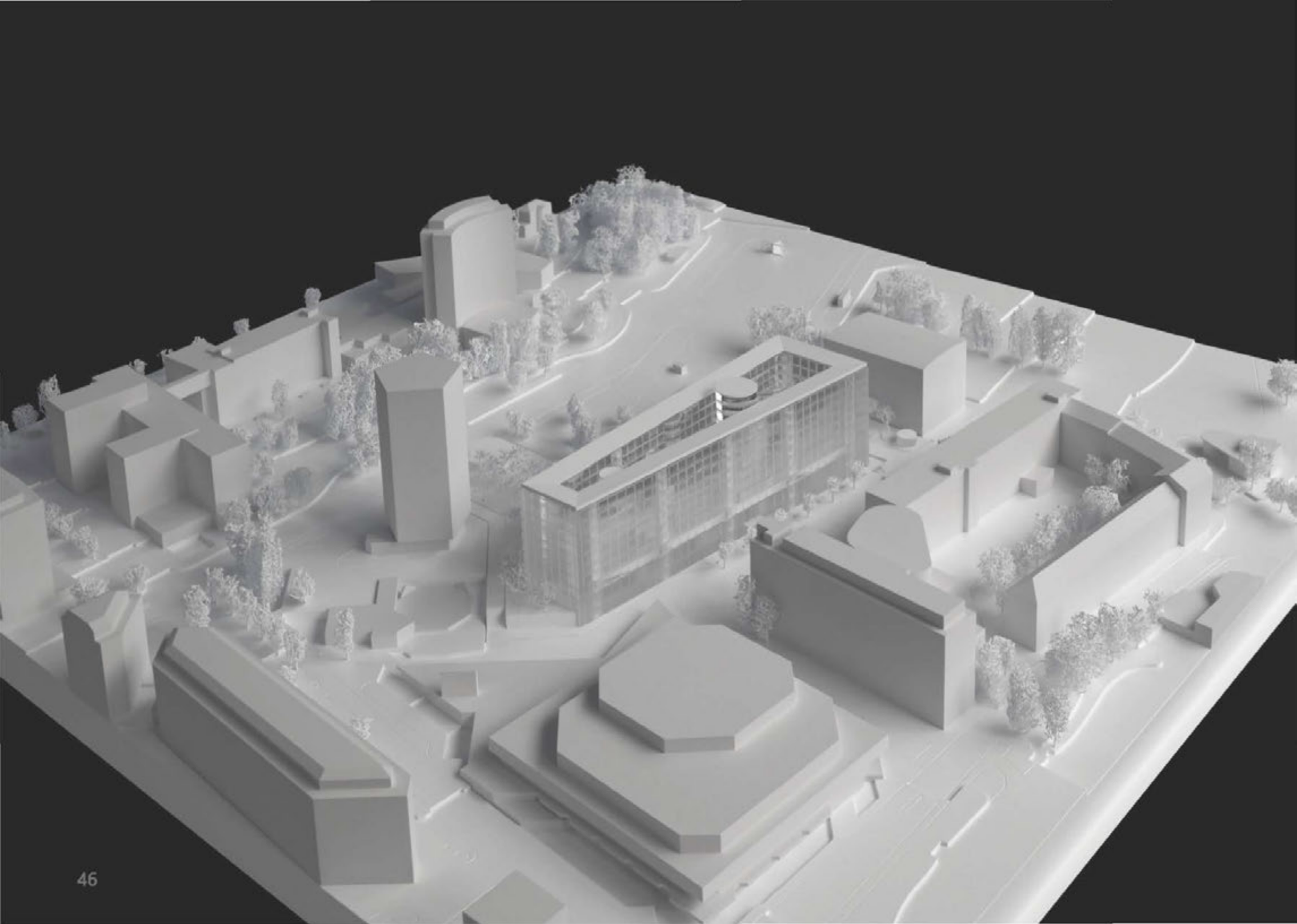
The Jury applauded the MICROCOSME proposal and congratulated the authors for, among other things, the straightforwardness of its overall approach, the originality of its design for work spaces and its urban presence near the Place des Nations.

The design was one of unity in a simple geometrical form, making full use of the trapezoidal shape of the property along the rue de Varembé. It made a clear distinction between two elements, a lower street-level element with the main access points and conference rooms, and an upper element with a central courtyard-patio. The unity was the result of that courtyard-patio around which the offices were arrayed, with a design that provided common spaces for people to meet and relax, and facilitated comings and goings from one side to the other.

There was great variety in the sight lines from different offices, and it was possible to look through the building from the Place des Nations side to the rue de Varembé. That lightened the ambience of the patio courtyard, which otherwise could have seemed too confining. The project as a whole was therefore seen as a building made up of several layered segments, producing complex views, views that were appropriate to the relationships between the people working there. Moreover, both from the Place des Nations and from the rue de Varembé, it was possible to look into the world of ITU.

For those reasons, the project was not merely a building but rather a world whose inner activities could be seen.

The Jury turned its attention to a number of issues that would have to be addressed if the project went ahead.
The height of the building would need to be verified and, if necessary, adjusted to meet site constraints.
The feasibility of the indoor atrium garden, referred to in the proposal as "tropical", would need to be clarified as regards both its plantings and the ongoing maintenance it would require.
The layout of spaces would need to take into account the relationships between the departments making up ITU. The layout would have to pay special attention to the Client's requirements in regard to the desired working conditions, security measures and security access.

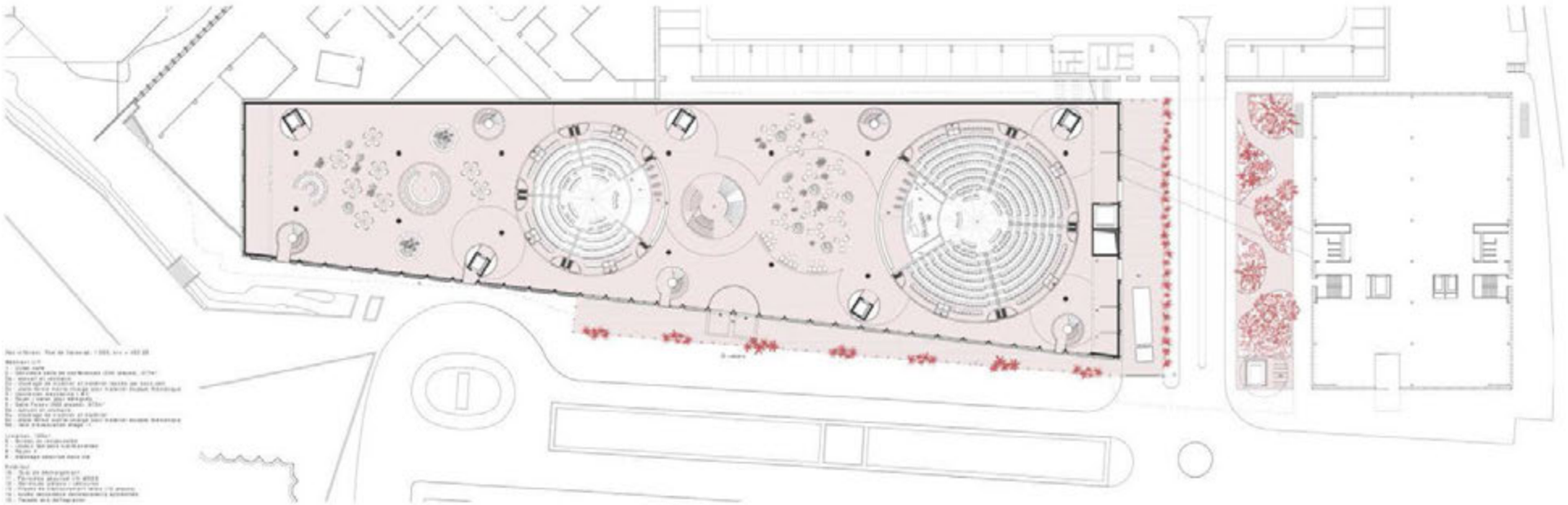


CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENEVE

MICROCOSME

01

MICROCOSME



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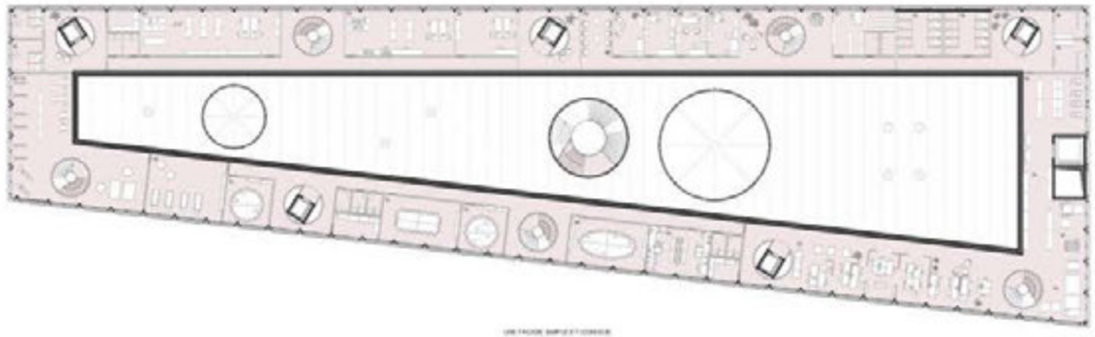
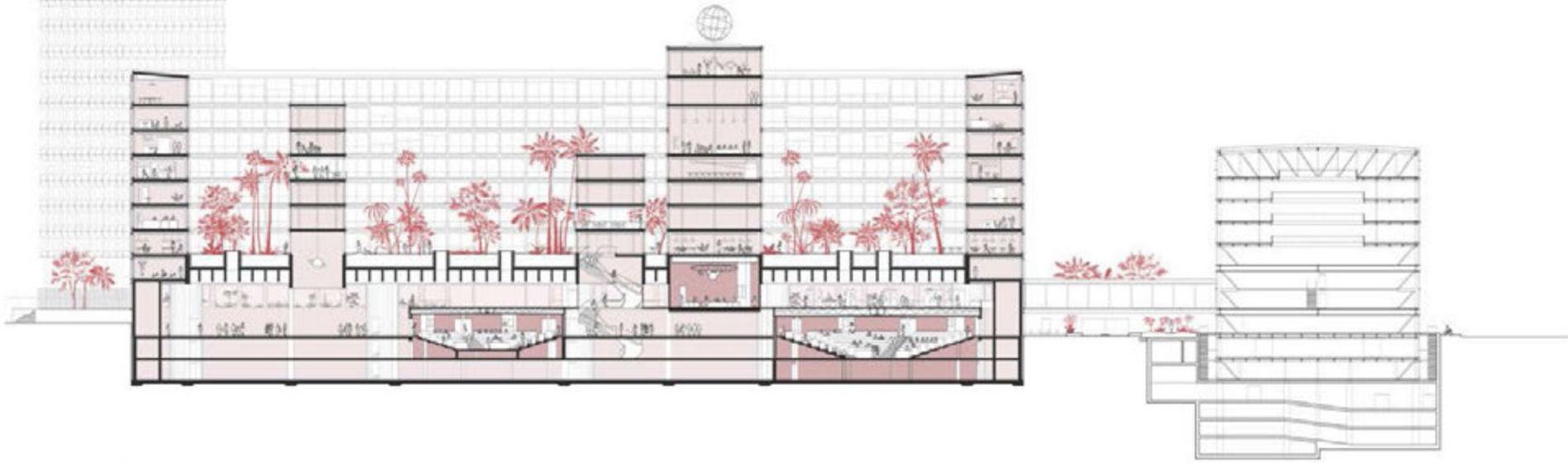
MICROCOSME





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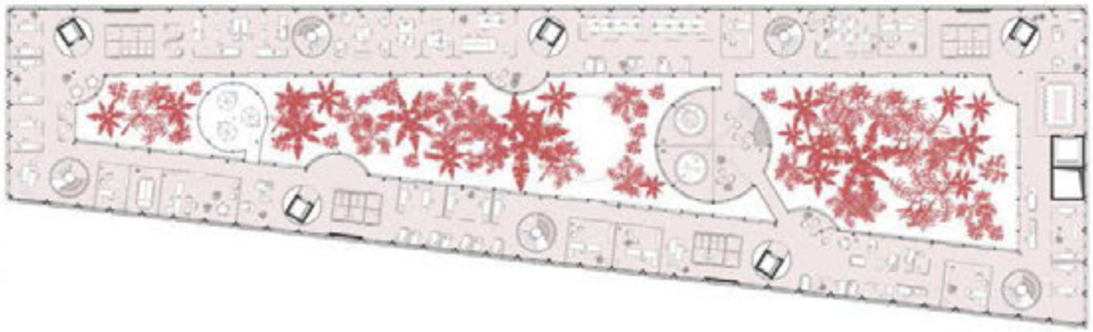
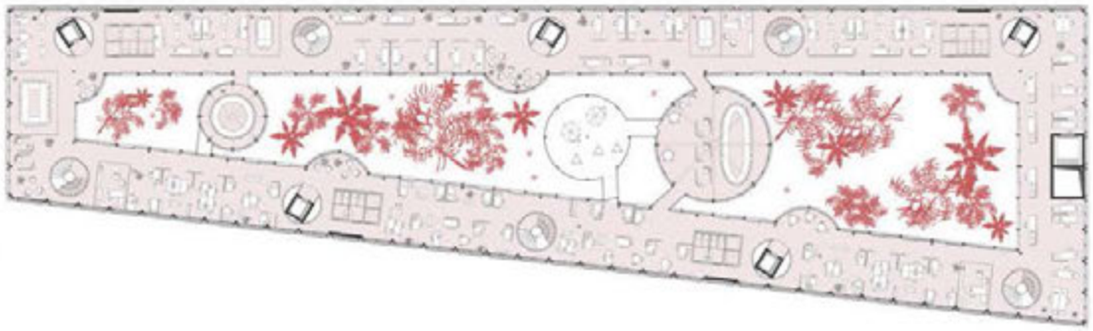
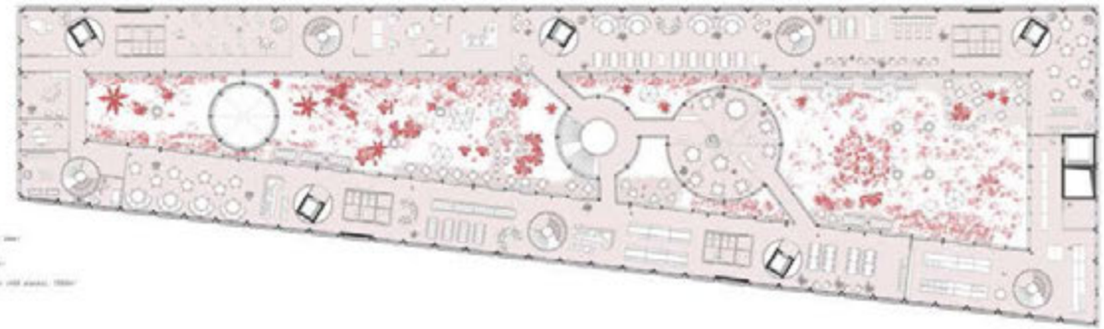
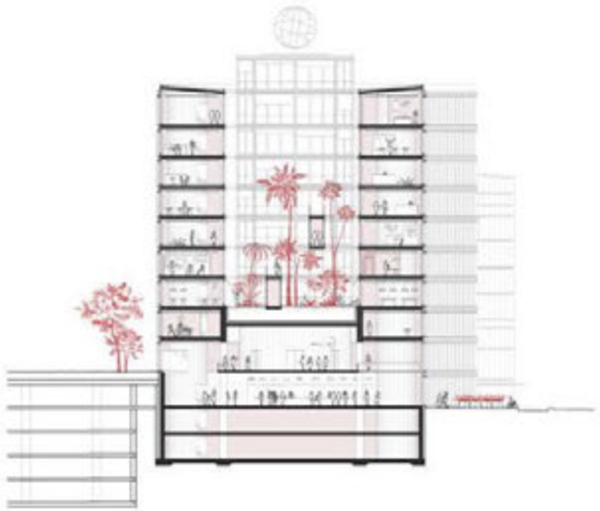
MICROCOSME









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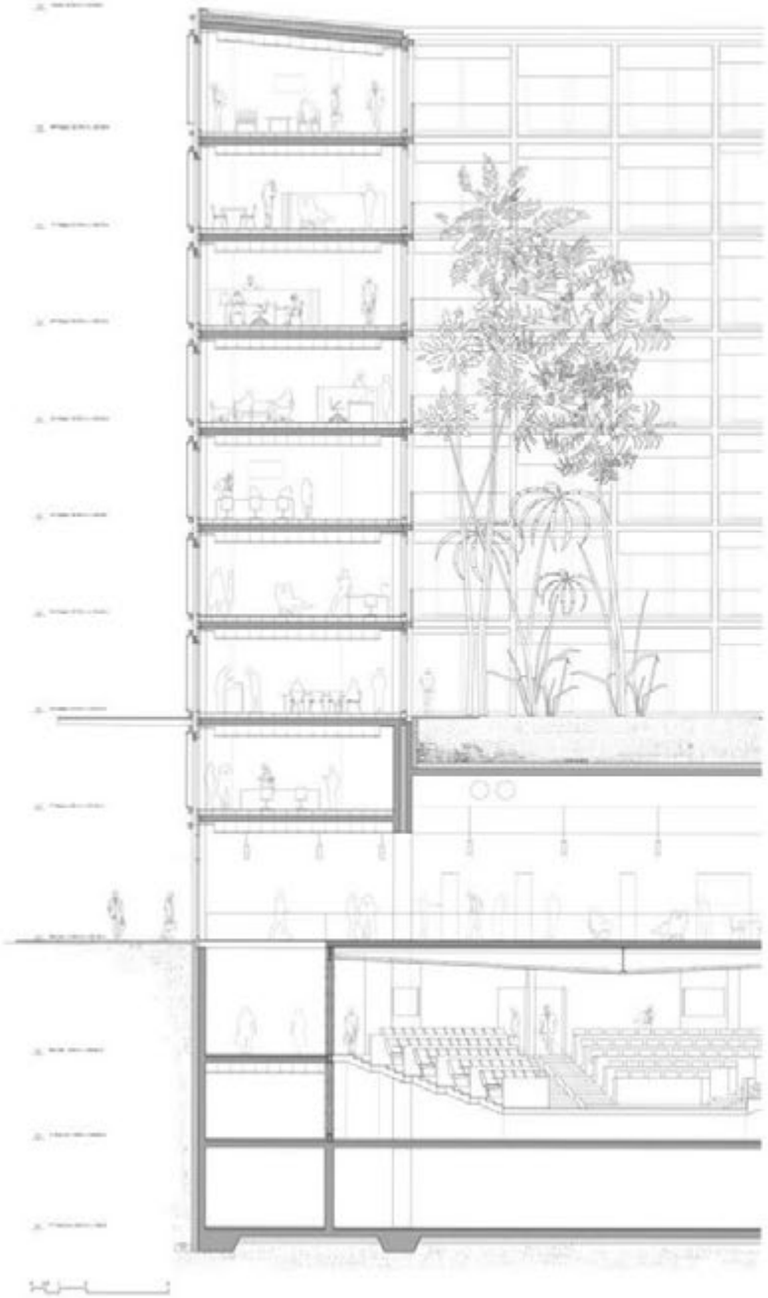
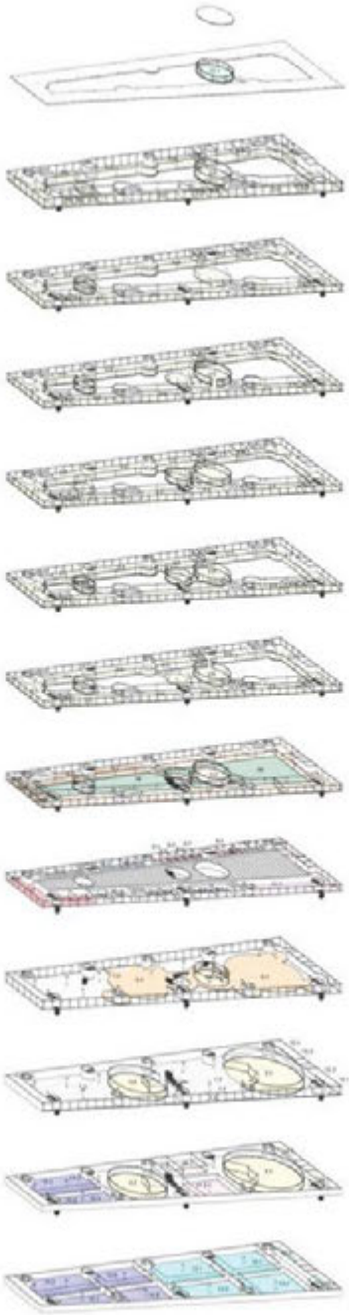




MICROCOSME

INTERWEAVE

Second place, second prize

Office :
CF Moller Architects
Stähelin Architectes
Danneskiolde-Samsoes Allé 28
1434 Kobenhavrn K
Danemark

Author(s) :
Consortium
Moller Architectes
Stähelin Architectes

Associate(s) :
Mads Mandrup
Thue Haslov
Nuno Silva
Henrik Andersen
Simon Reseke
Julie Petersen
Sarah Greuter

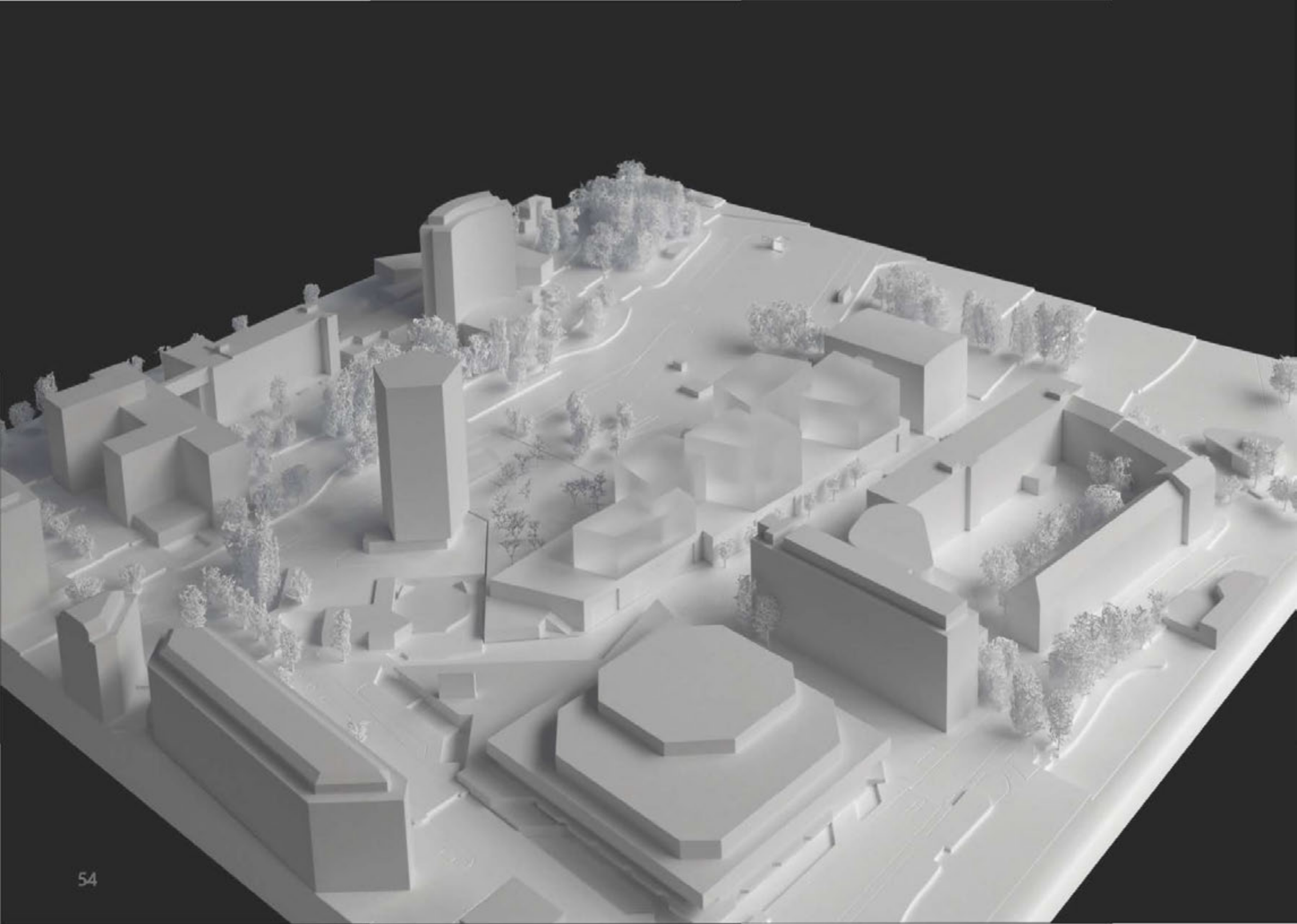
The Interweave proposal had the advantage of offering a certain flexibility in how the space was to be fitted out, alternating green spaces and office spaces on the two facades and placing terraces on each module's rooftop.
The building's outer appearance, broken into five segments, softened what could have seemed to be a stark and austere structure, while the interior volume was unified within a single building thanks to the circulation artery allowing for ease of movement.

The alternation of volumes also helped create an impression of intimacy and an impression of isolation of groups of offices.
If the exterior facade had transparent glass walls right down to the floor on each level, that would suggest a weakened sense of intimacy amongst staff members.

The arrangement of elements offered significant exterior light and outdoor sight lines, enough that there would be natural light even in the meeting rooms.

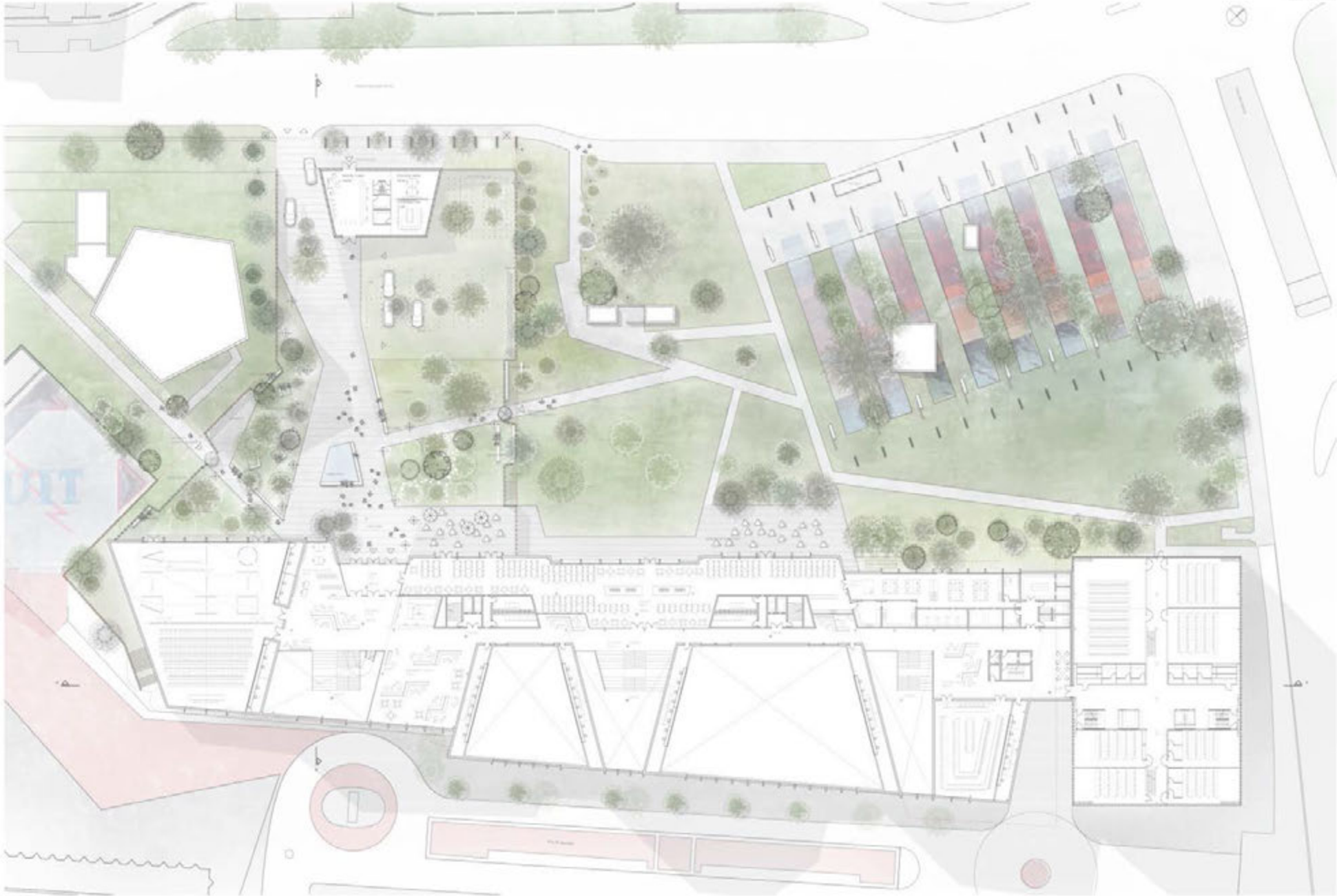
There was a strong sense of the building opening up towards the park, with direct access to it; but security would be difficult because of the ground-level terraces abutting the building on the park side.

The connection to the Montbrillant building as proposed could not be built and did not conform to the design requirements.
The rue de Varembé elevation was not shown in great detail on the plans, but suggested a heavy concrete appearance because the base was too high.



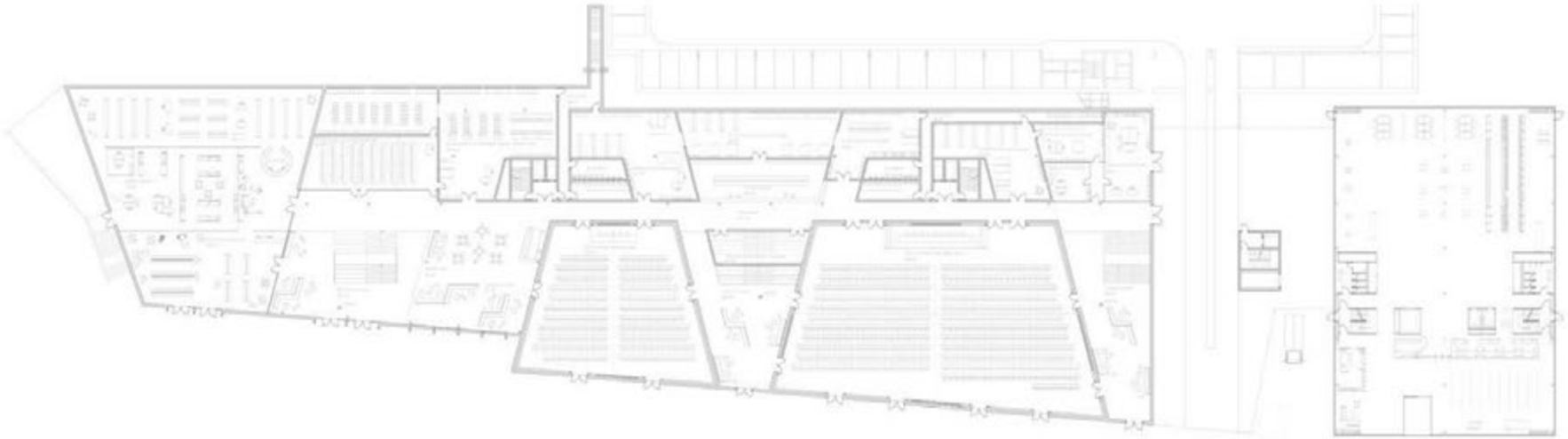
CONCOURS DE PROJET - NOUVEAU BATIMENT POUR LE SIEGE DE L'UIT A GENEVE

INTERWEAVE



CONCOURS DE PROJET - NOUVEAU BATIMENT POUR LE SIEGE DE L'UIT A GENEVE

INTERWEAVE

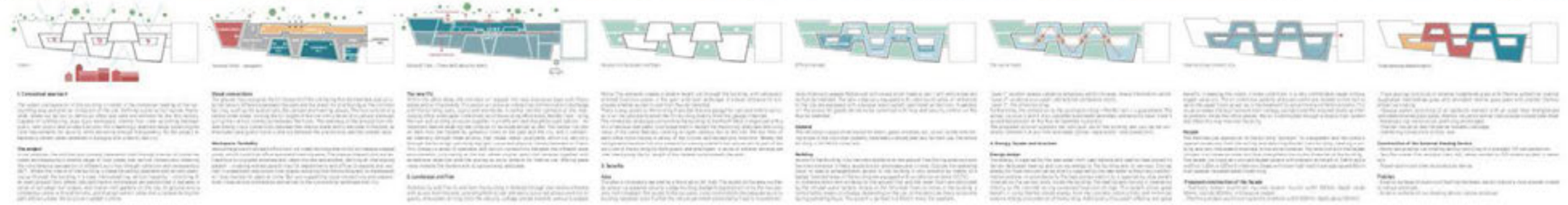


CONCOURS DE PROJET - NOUVEAU BATIMENT POUR LE SIEGE DE L'UIT A GENEVE

INTERWEAVE

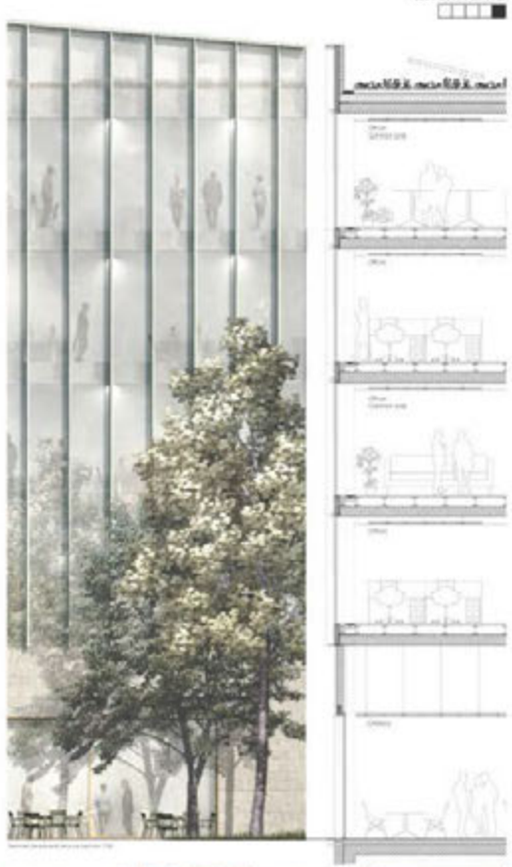
CONCOURS DE PROJET - NOUVEAU BATIMENT POUR LE SIEGE DE L'UIT A GENEVE

INTERWEAVE



CONCOURS DE PROJET - NOUVEAU BATIMENT POUR LE SIEGE DE L'UIT A GENEVE

INTERWEAVE



DATACITY

Third place, third prize

Office :
Romain Ecorchard Architecte sas
Montée de la Grande Côte 51
69001 Lyon
France

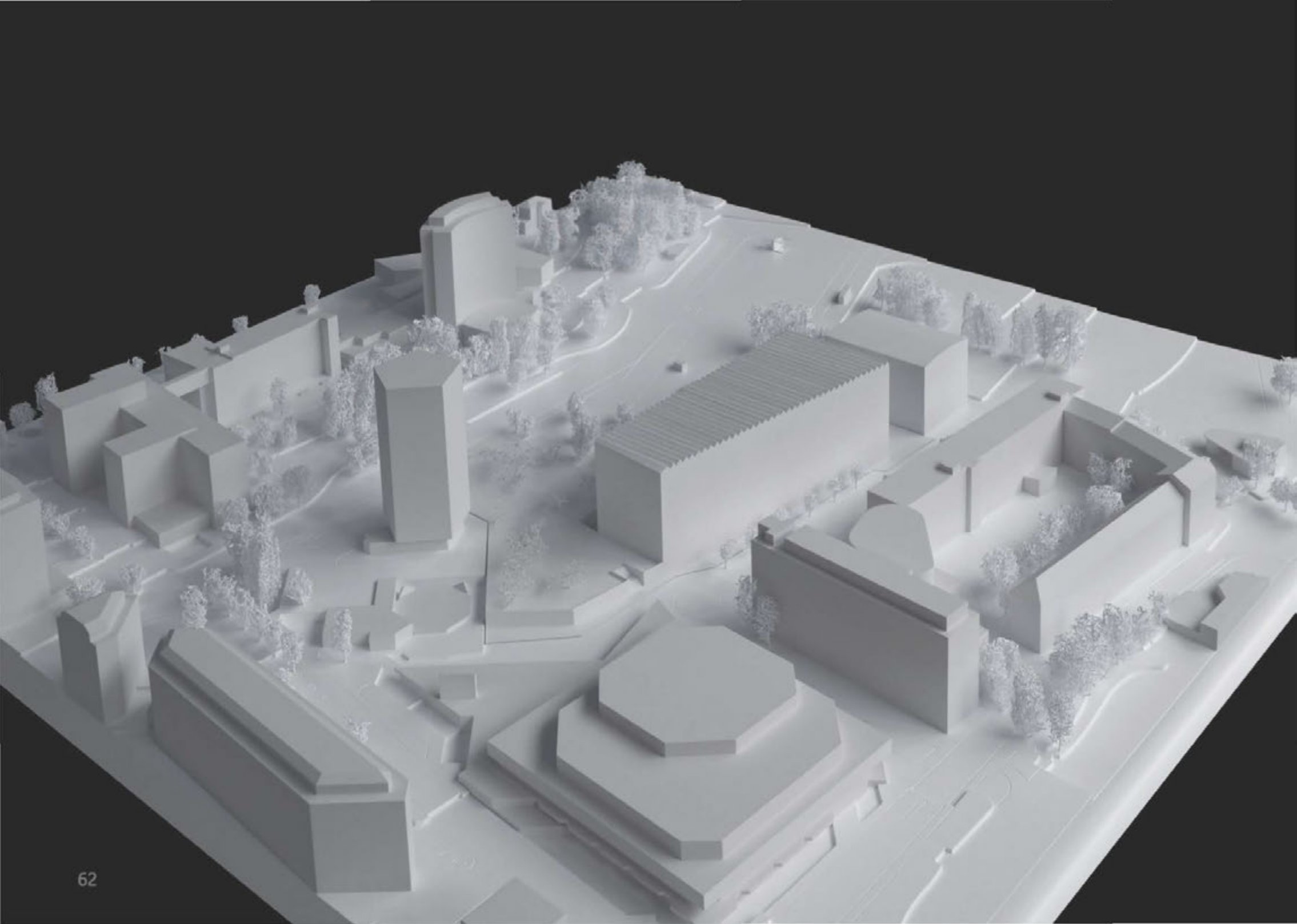
Author(s) :
Romain Ecorchard

Associate(s) :
Romain Ecorchard
Aliénor Drapier
Ewen le Rouic (moz paysage)
Sophie Ruyer (moz paysage)
Corentin Mauroconel (Amstein & Walthert GE)

The DATACITY proposal showed a compact volume consisting of three layers positioned one above the other.
The mass of the structure would be placed on the southern side of the property, similar to the existing building. That placement made it possible to maintain accessibility to the Place des Nations and an appearance of continuity. Security measures, however, would need to be investigated in great detail, particularly in regard to vehicle access.

The horizontally layered structure would be arranged as follows. The lowest level would contain the meeting rooms and have a pedestrian entrance from the rue de Varembé side. The generous size of the spaces distributed at this level was considered excessive, and seemed not to offer any particular architectural merits. The second layer, at the Place des Nations level, would have another pedestrian entrance, the cafeteria and other general services. The top layer was the most original aspect of the proposal, with a serrated shape. Inside the large space of the outer glass envelope, five wings would contain the offices, meeting rooms, and other work spaces. The architecture of this part of the project design offered a new architectural dimension suitable for an organization such as ITU. The rich spatial connections between volumes and between them and the serrated envelope would offer a range of possibilities for organizing spaces and foster a high degree of user engagement. Some uncertainties arose regarding the functionality of that large volume, in spite of the explanations given on the project plans both graphically and verbally. Overall, the space proposed in that part of the project seemed to be able to meet ITU's needs and requirements, considering that the configuration shown on the plans was indicative of an original and promising approach, although it seemed to lack a truly generous use of space. However, the Jury was not fully convinced by the proposal, with respect to, among other things climate control and especially the proposed solar protection system.

Other questions arose regarding the structural design of the large serrated element, particularly in connection with the bracing and size of the cover to deal with excess loading resulting from a snowfall.

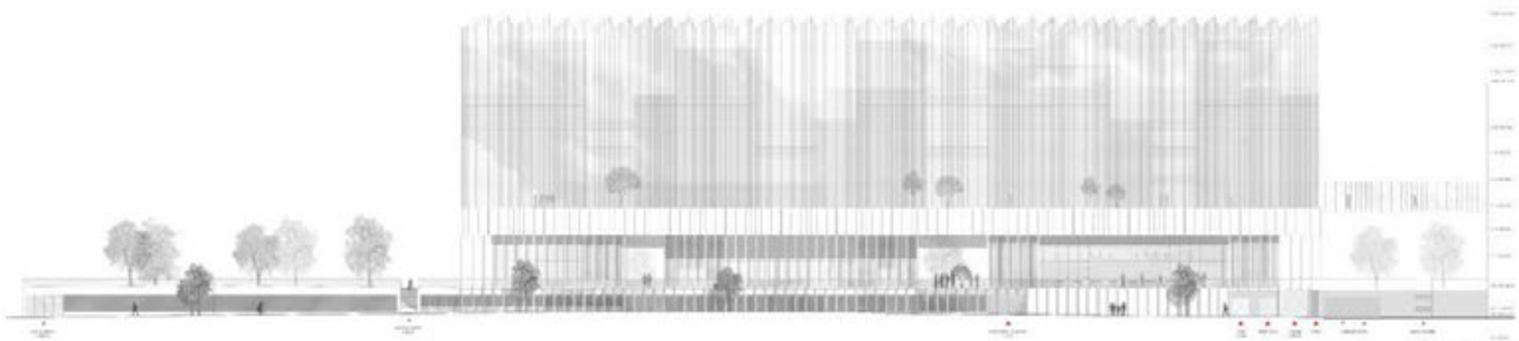


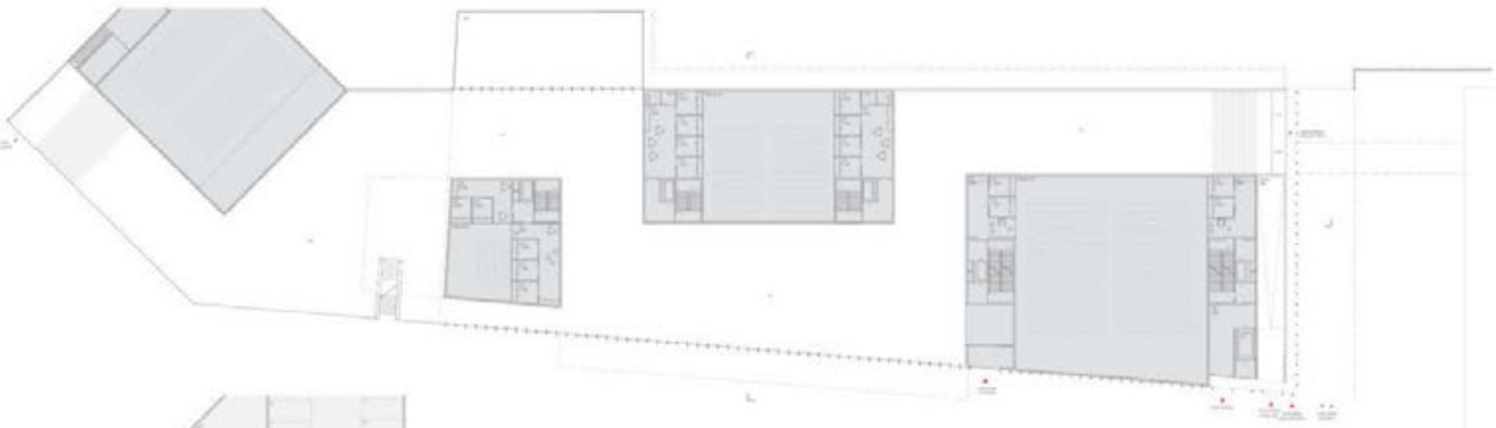
CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIÈGE DE L'UIT A GENÈVE - PHASE 2

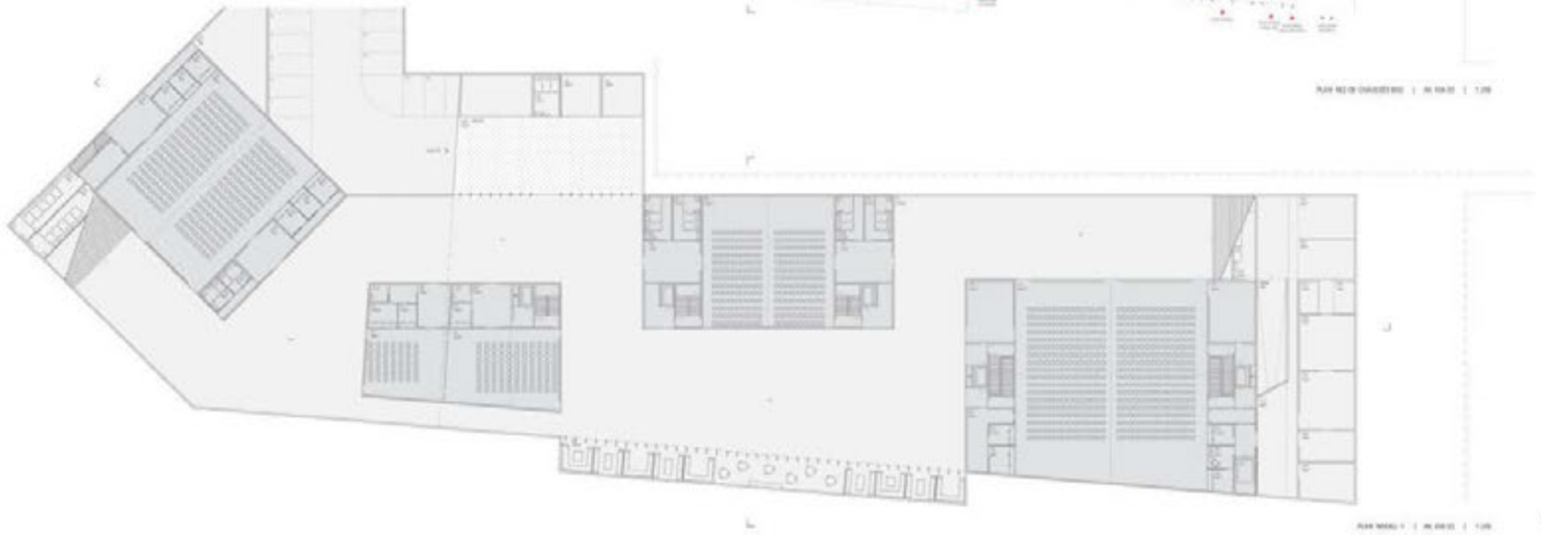
DATACITY

CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIÈGE DE L'UIT A GENÈVE - PHASE 2

DATACITY

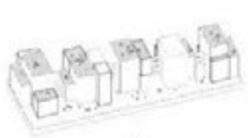


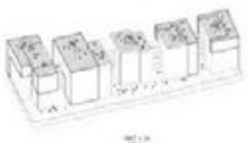


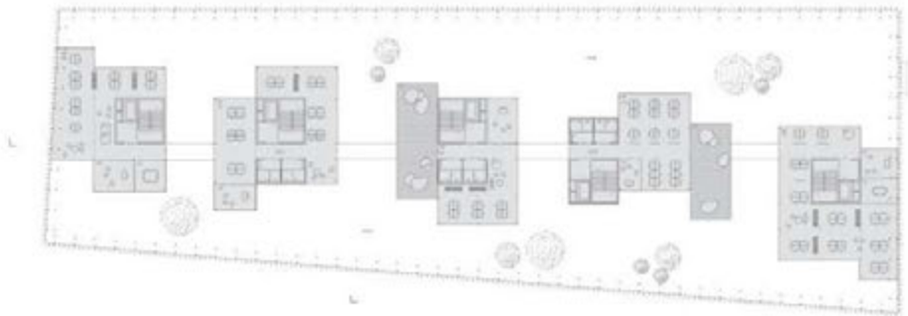


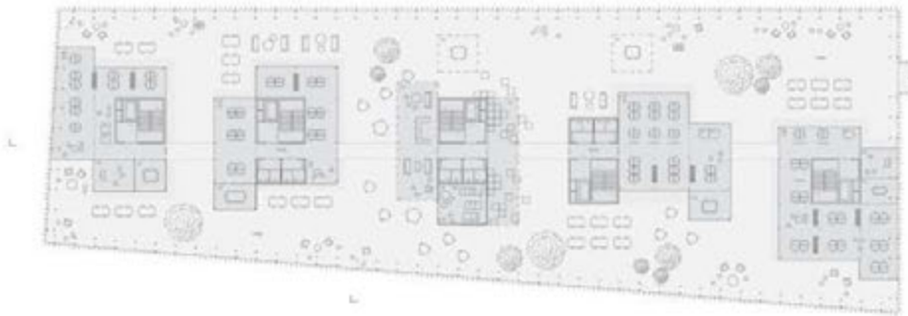
CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIÈGE DE L'UIT A GENÈVE - PHASE 2

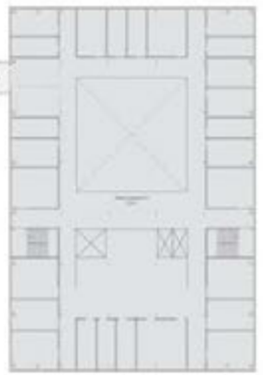
DATACITY





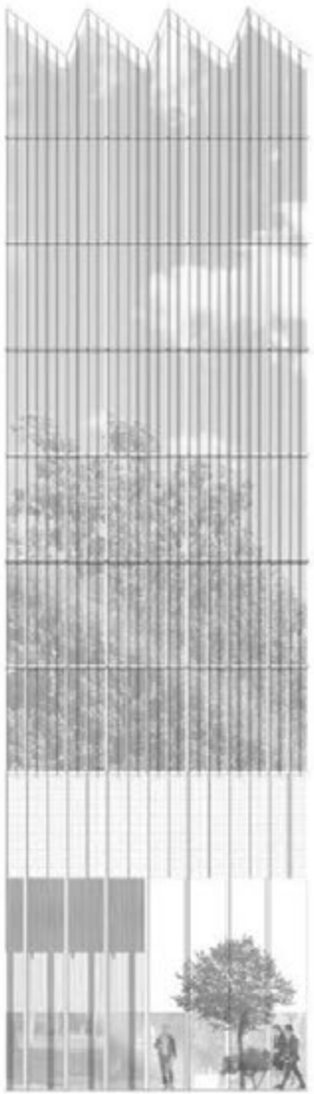


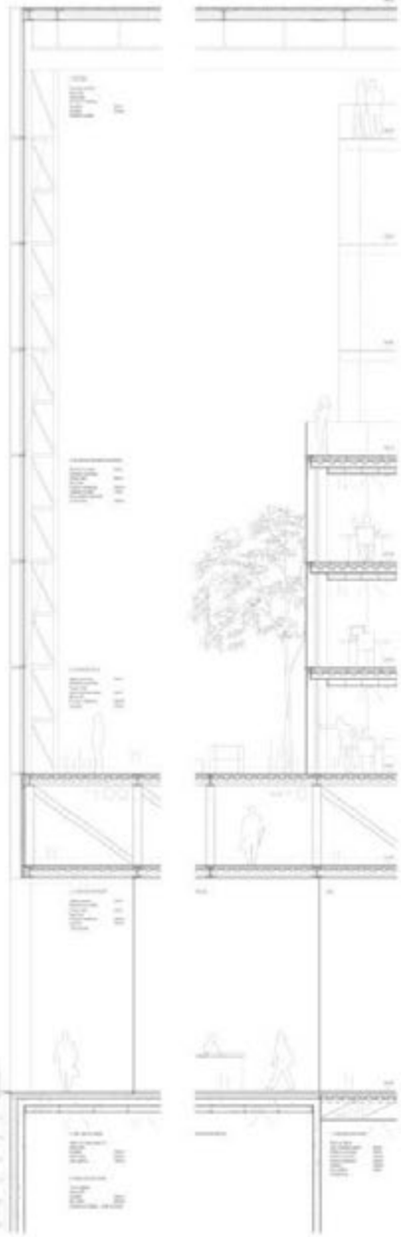


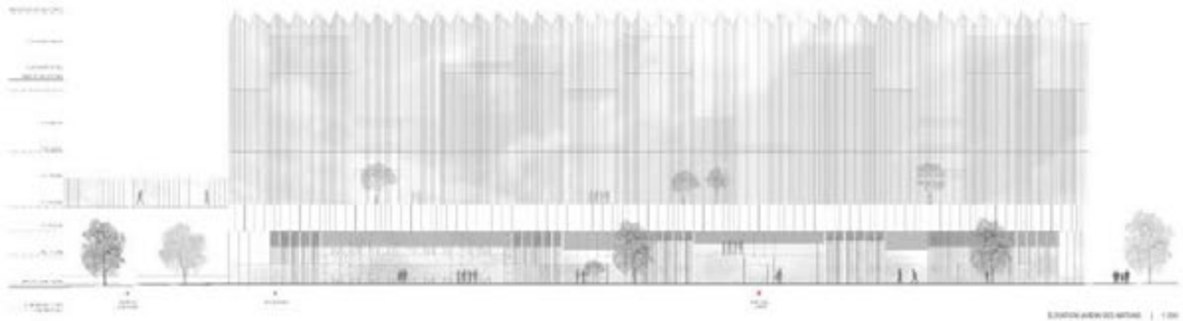


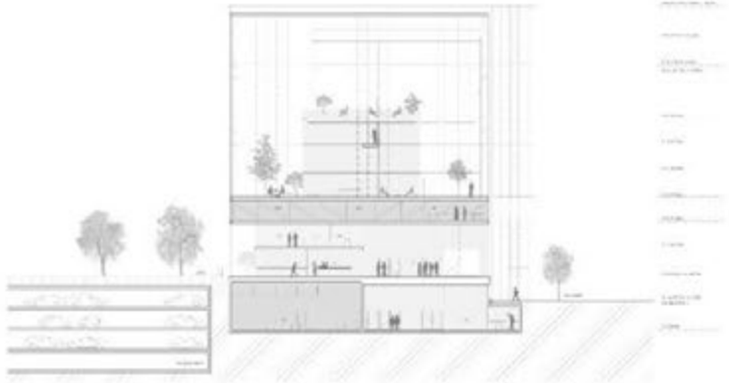
CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIÈGE DE L'UIT A GENÈVE - PHASE 2

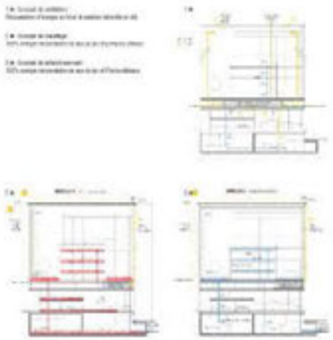
DATACITY

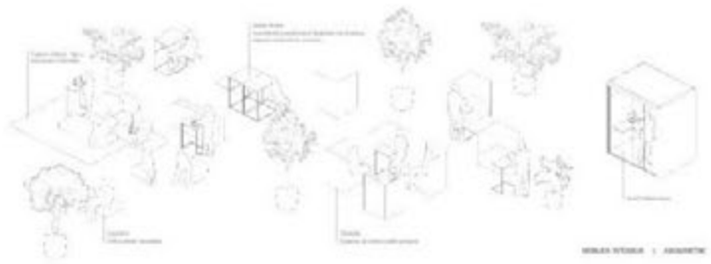






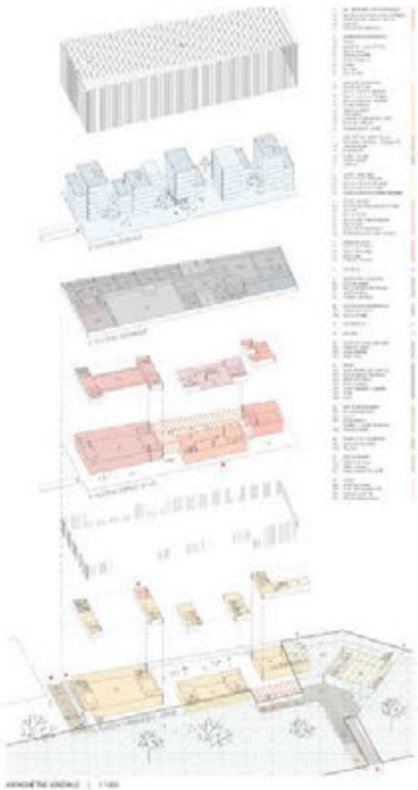






CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIÈGE DE L'UIT A GENÈVE - PHASE 2

DATACITY



Cour Varembé

Fourth place, fourth prize

Office :
Dürig AG
Feldstrasse 133
8004 Zurich
Suisse

Author(s) :
Jean-Pierre Dürig

Associate(s) :
Giulia Augugliaro
Gian Paolo Ermolli

The Cours Varembé project proposed three sunken concourses: the entrance concourse would contain underground meeting rooms; the Varembé concourse would provide new space containing administrative areas; and the Montbrillant concourse would be an excavation beneath the existing building connecting it to the rest.

This layout would reduce the visible volume of the new structure and result in a slim, elegant and transparent building running parallel to the rue de Varembé. The Jury applauded the proportions proposed.

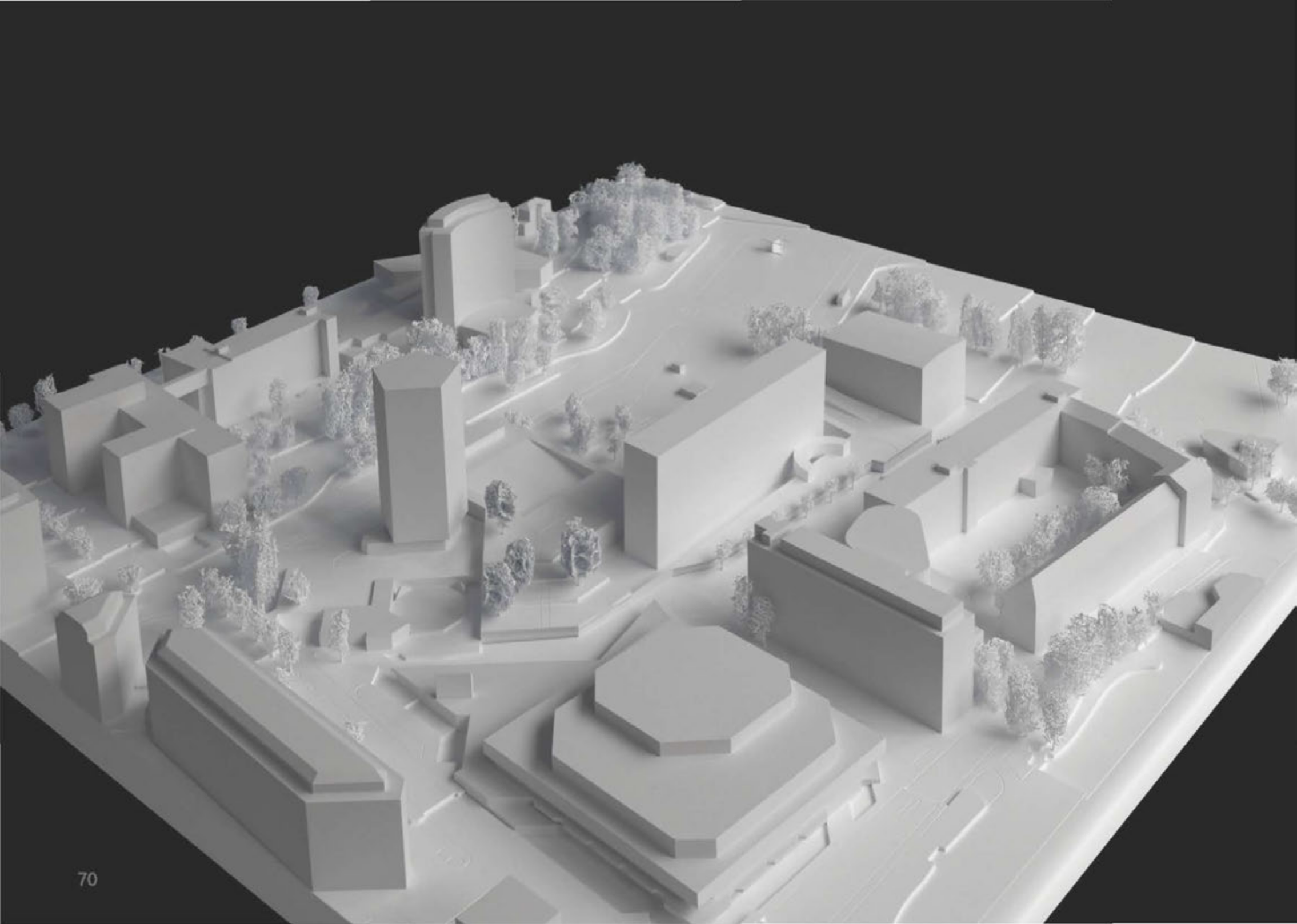
This project would also strengthen the security apparatus because the administrative building would be surrounded by a security moat. The main access route would be a gently sloping walkway of monumental proportions on the avenue Giuseppe Motta side, from the security pavilion at the entrance to the site. A pedestrian walkway would connect the administrative building to the entrance foyer. The entrance on the rue de Varembé side would also use a pedestrian walkway to cross the security moat.

The Jury applauded the proposal which, because of its judicious use of concourses, would assure pedestrian access to the site from the Place des Nations.

The impression of boundaries to be crossed was of concern to the Jury. The image that such boundaries would create – of a faraway, inaccessible power – was at odds with the image of transparency expected of the New Building. The Jury was concerned about the symbolism expressed in the project design.

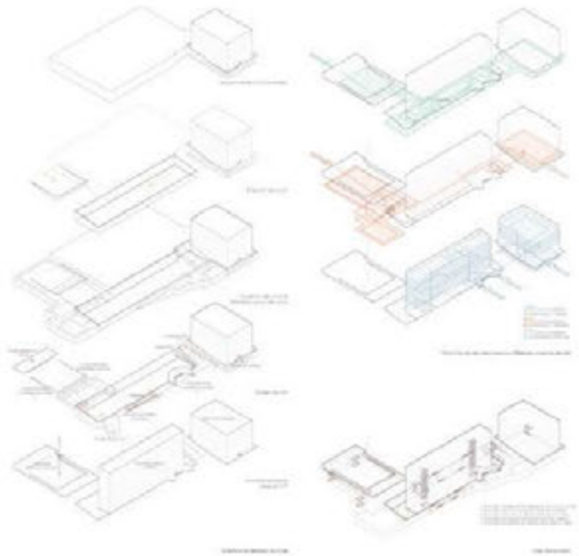
Users questioned the quality of space in the Varembé concourse with two storeys buried underground accommodating, among other things, the staff cafeteria. The proposal would require excavating a large volume of material, as well as excavating beneath the existing Montbrillant building. That would result in additional construction costs.

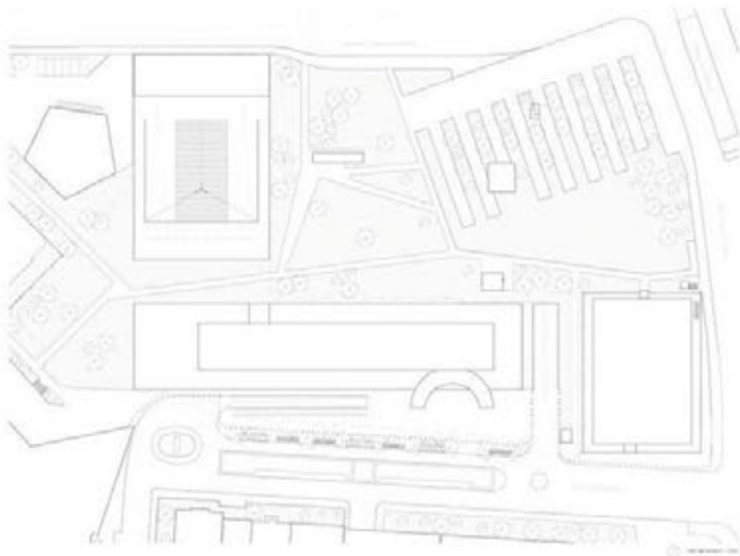
In conclusion, the Jury noted the high quality and elegance of the proposal but did not find it convincing because of the strictures and functional consequences that would result.



CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIÈGE DE L'UIT À GENÈVE

COUR VAREMBÉ



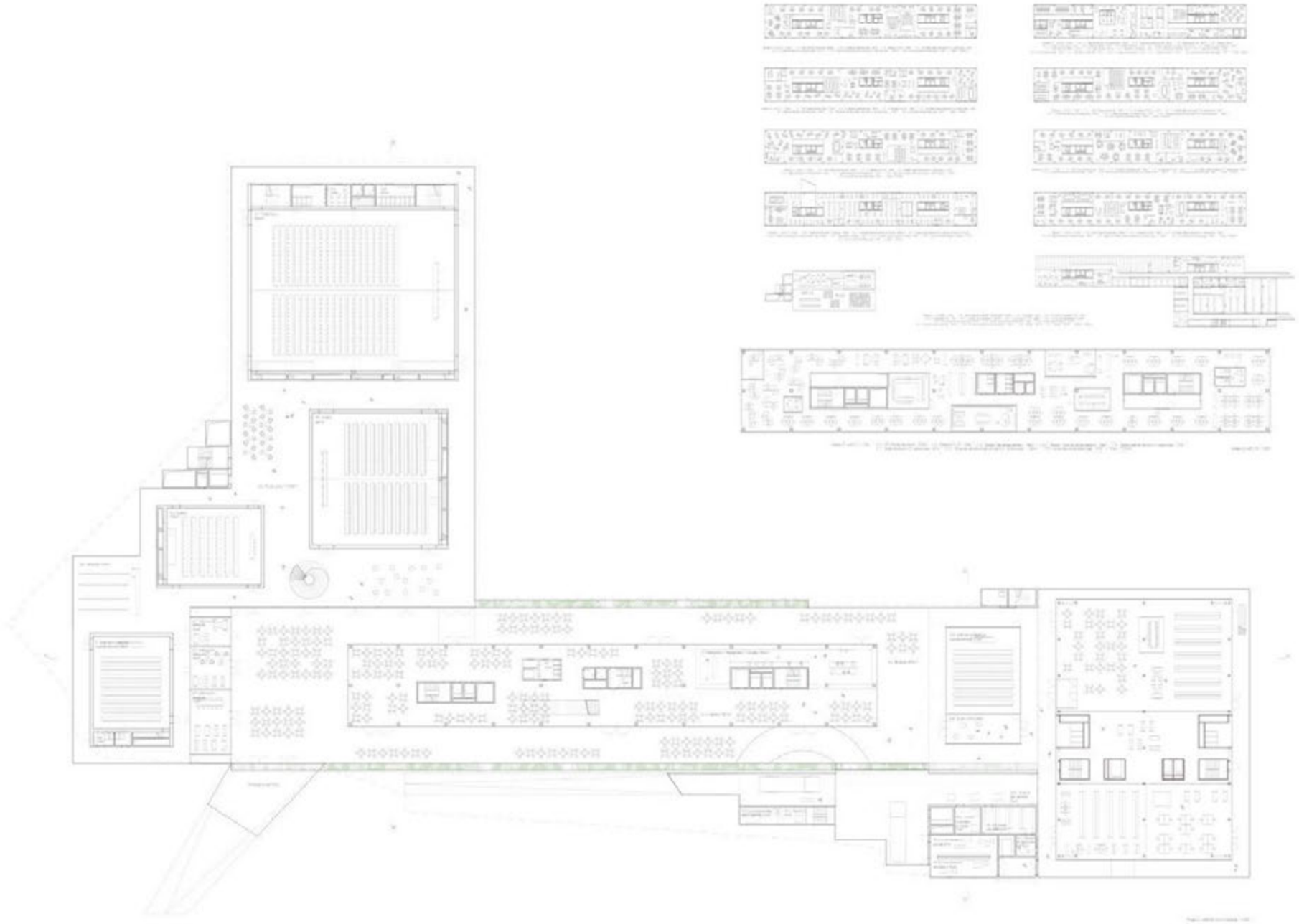


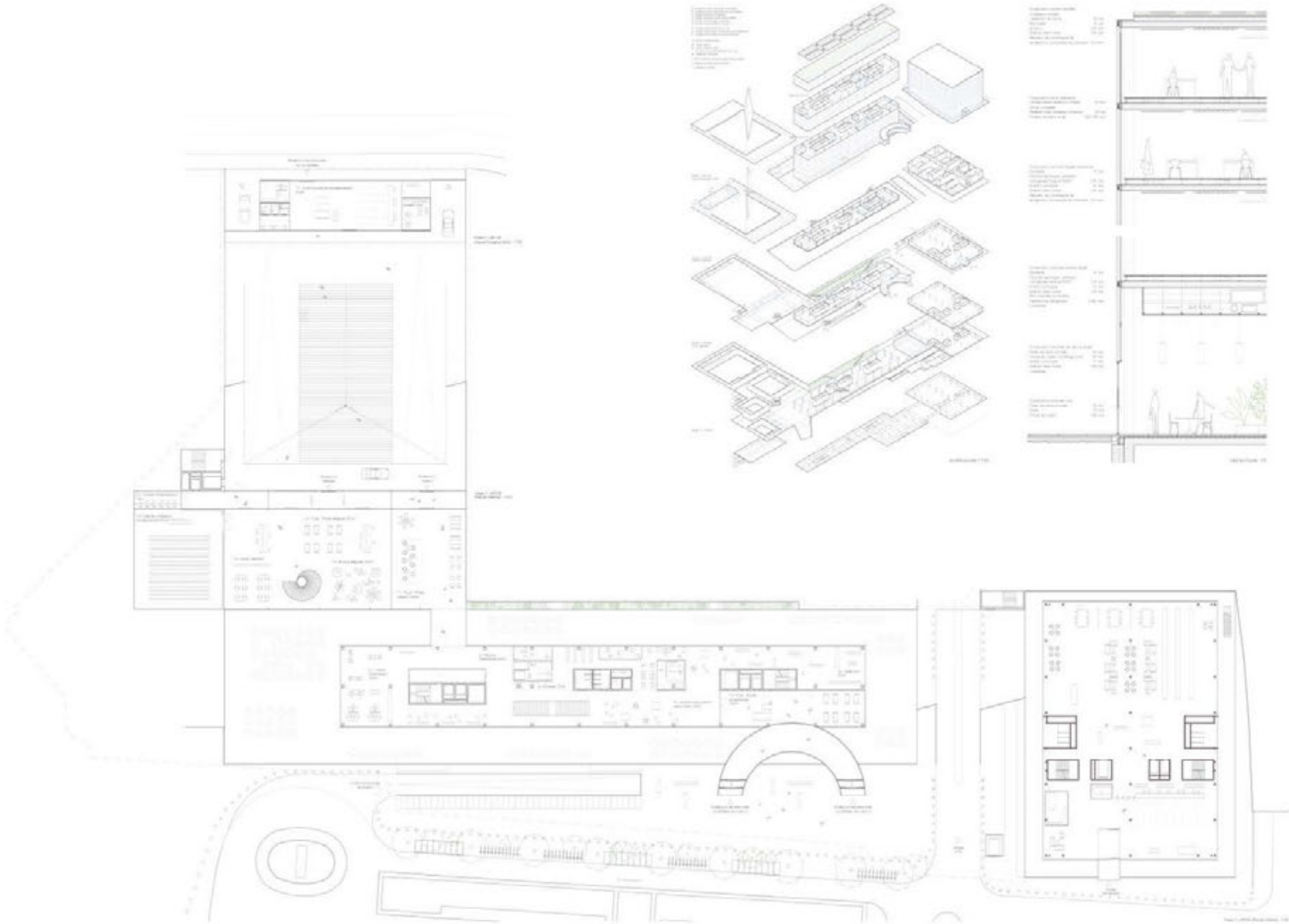
CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIÈGE DE L'UIT À GENÈVE

COUR VAREMBÉ

CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIÈGE DE L'UIT À GENÈVE

COUR VAREMBÉ





Project proposals selected for consideration under Stage Two, which were not awarded prizes

(in alphabetical order)

925WASYESTERDAY

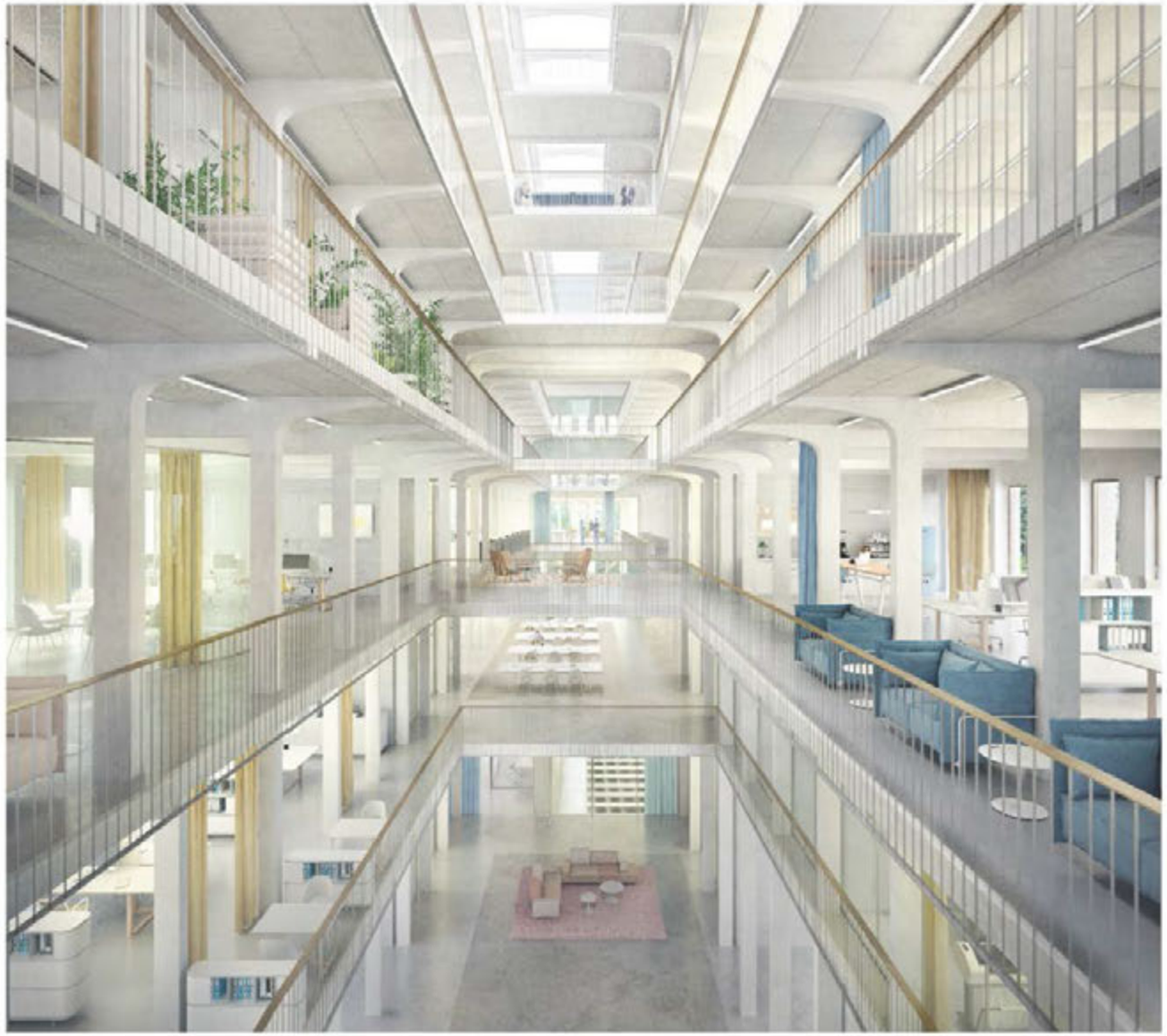
Office :
Duplex Architekten AG
Forchstrasse 58
8008 Zurich
Suisse

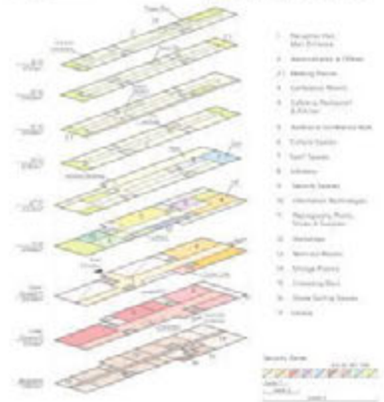
Author(s) :
Anne Kaestle
Dan Schürch
Christof Weber
Philip Berkowitsch
Andrea Scognamiglio
Anne Jäger
David Joachim
Amalie Bleibach
Rafael Gherdan

Associate(s) :
Walt Galmarini AG :
Carlo Galmarini
Stéphane Braune (Stuctural engineers)
Waldhauser+Hermann AG, Mario Regis
(Energy & Building Services)
Proteq GmbH, Maximilian Endt (Fire Protection)

The In-Between
«Connecting the World»

In-House Communication
Orientation & Visual Connections
Formal & Informal Encounters

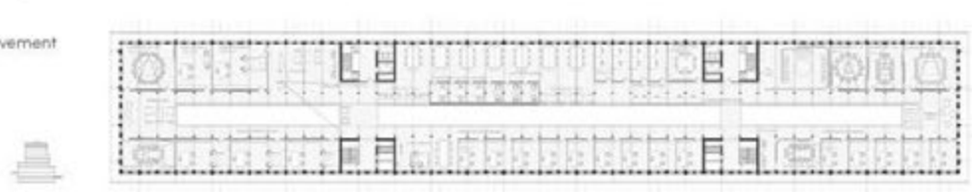


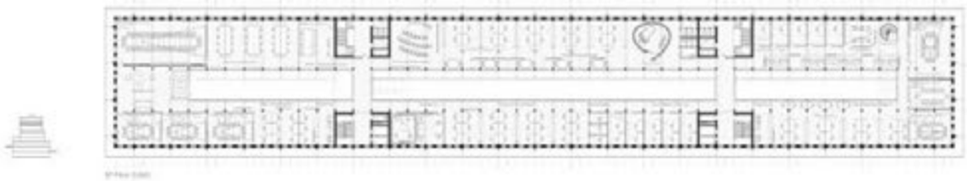


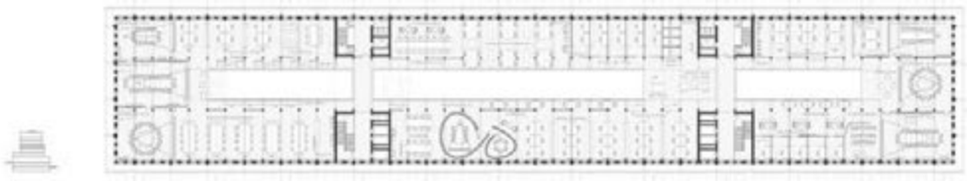
Flexibility meets Identity

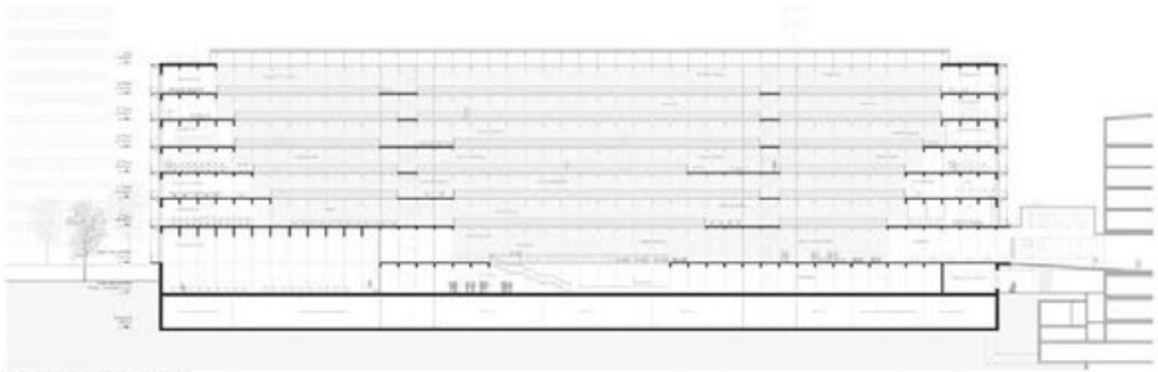
Concentrated Work plus Easy Access to Know-How

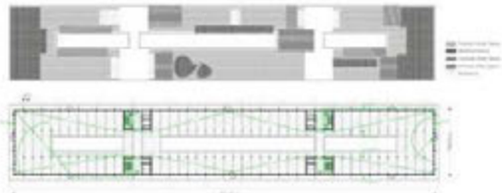
Diversity in Unity
Basis for Constant Improvement
Sustainability at its Best





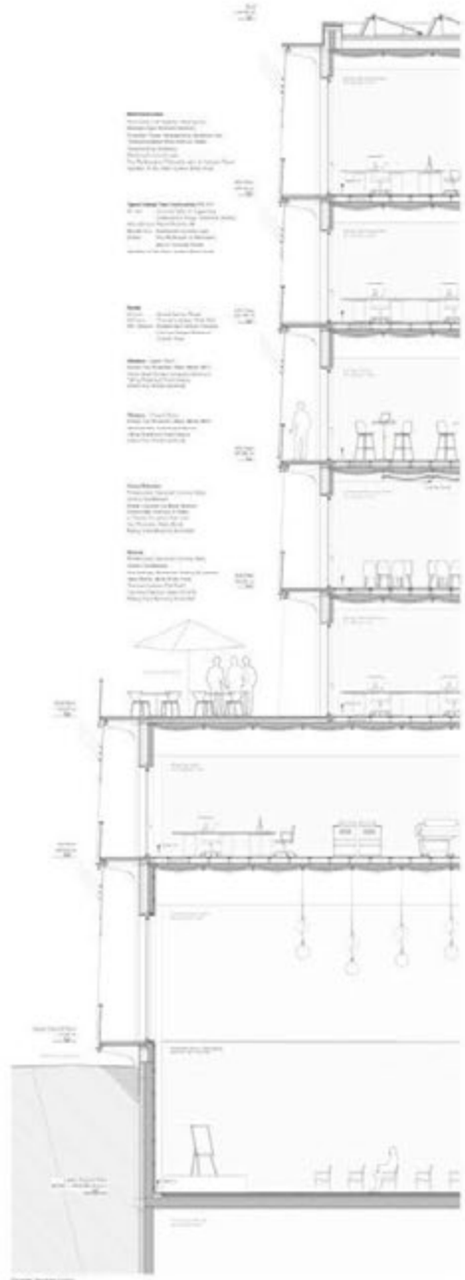






Sophisticated Simplicity
Industrial Warehouse Structure in a Textile Shell

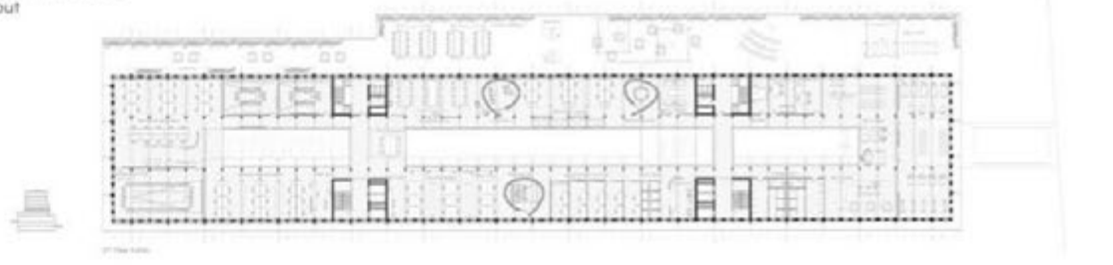
Smart Elegance meets Urban Confidence
Passive & Active Sun Protection
Longterm View: Cradle to Cradle

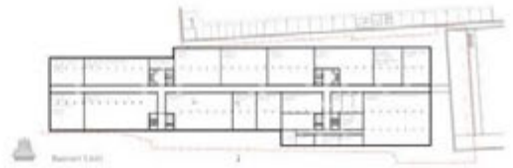


Cautious Representation

And the Functional Logic Behind

Inspiring Work Environment
Stimulating Movements across the Floors
Contemporary Office Layout

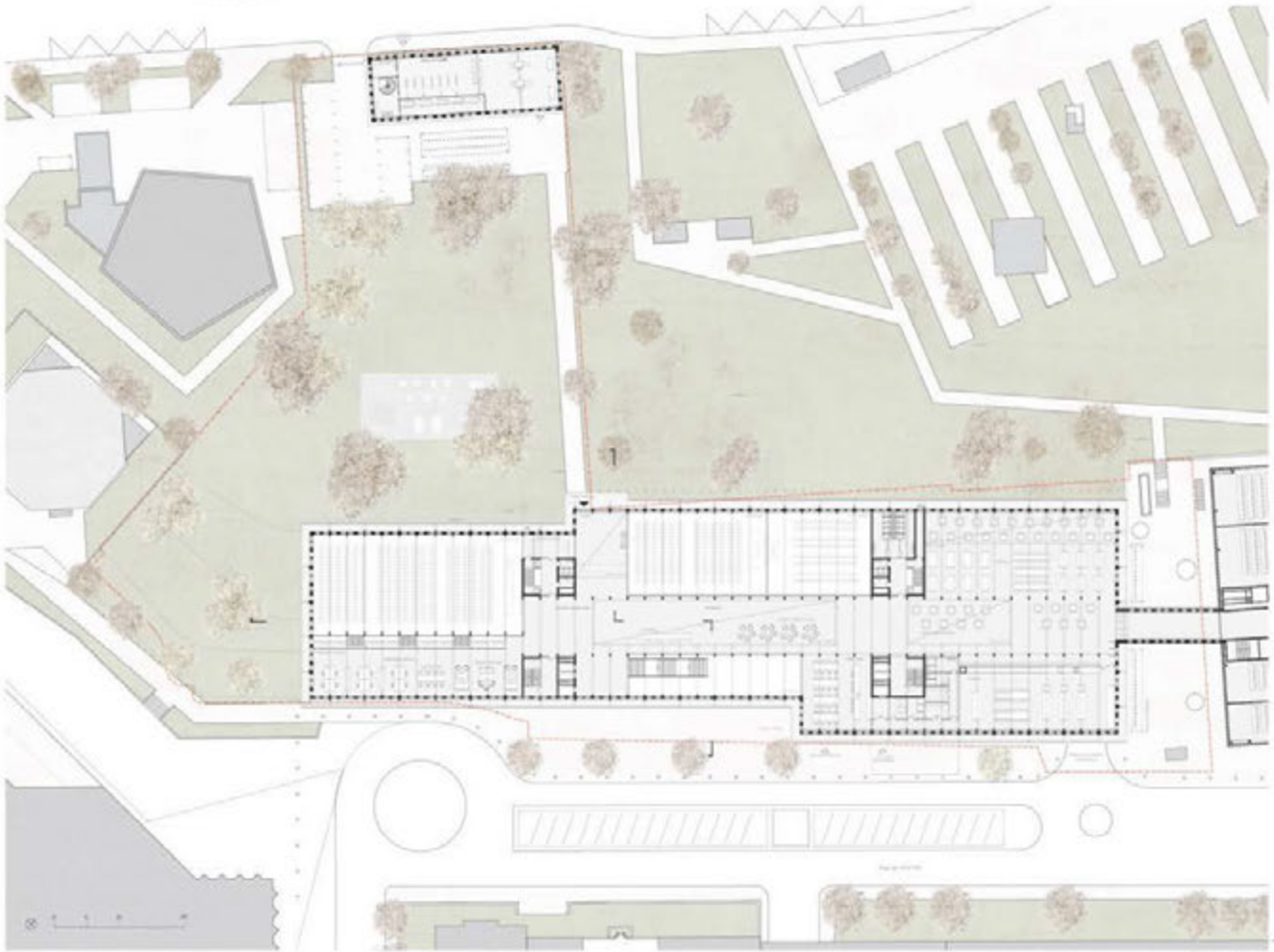


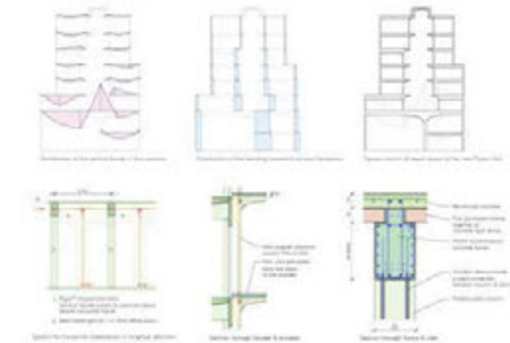


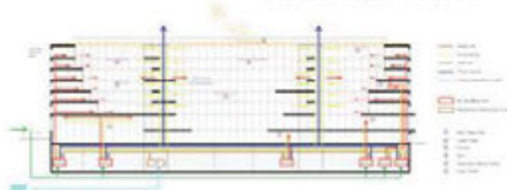
Smart Shelving Structure

With Flexible Room Heights

Compact Volume
Lean Construction
Daylight!







Bel étage

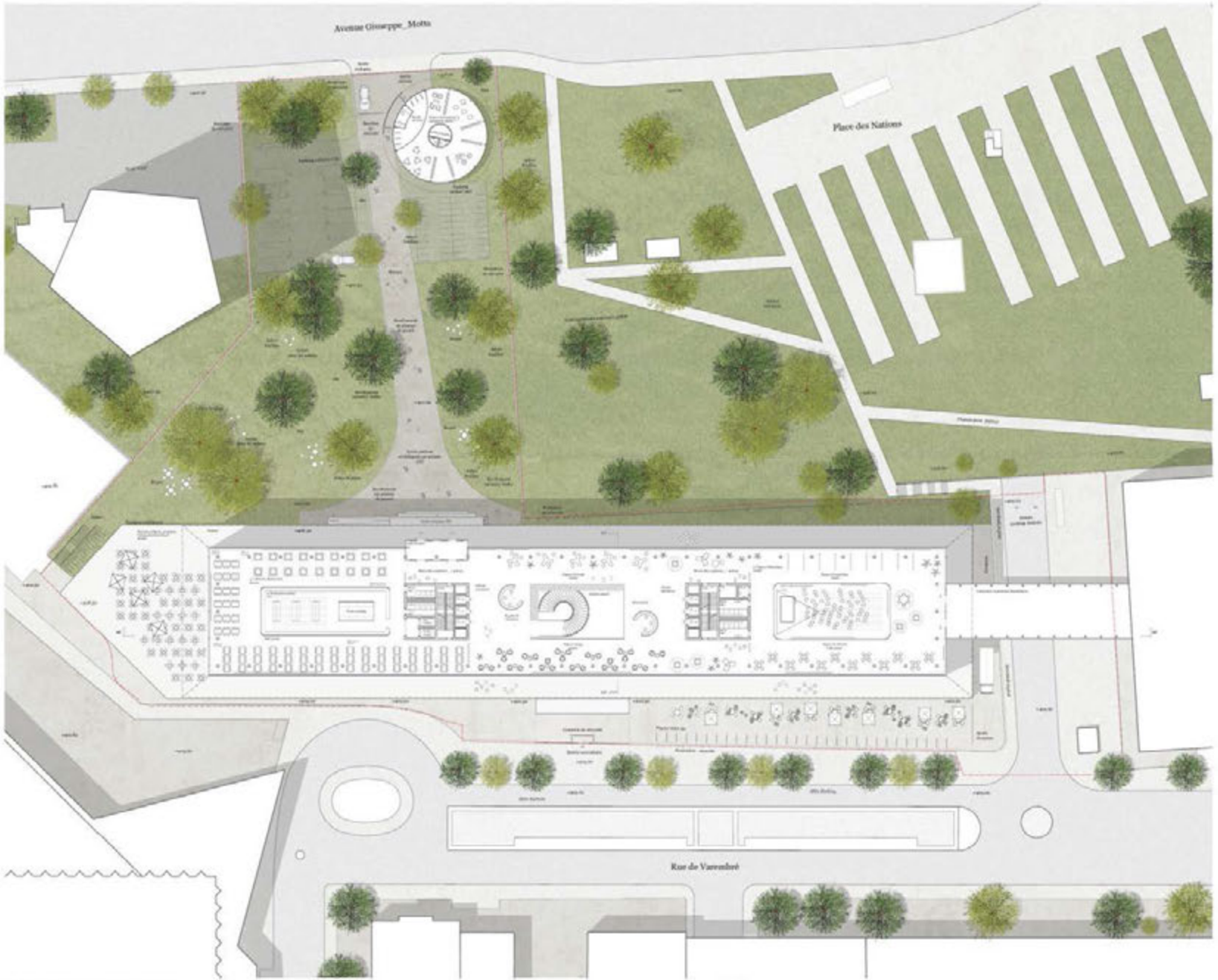
Office :
MAK architecture & consulting SA
Hardturmstrasse 175
8005 Zurich
Suisse

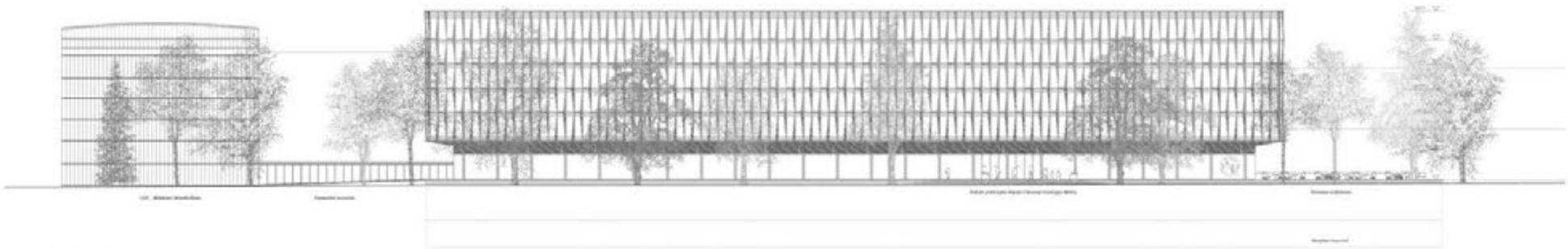
Author(s) :
Marcia Akermann
Mirko Akermann

Associate(s) :
Laura Ferreira dos Santos
Micha Gerhard

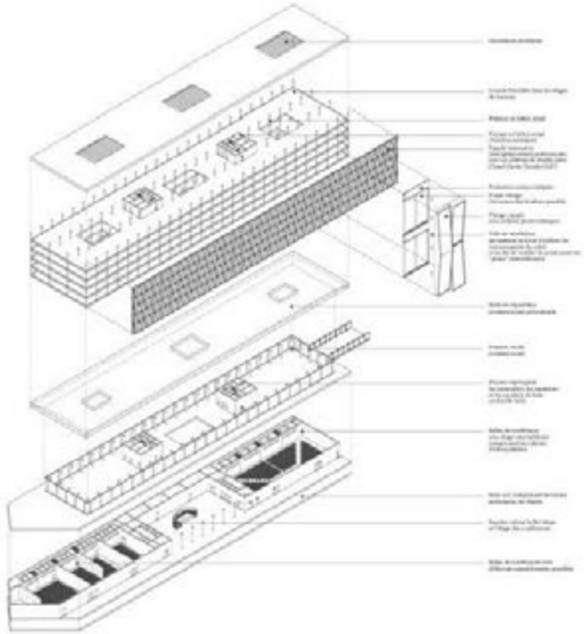
CONCOURS NOUVEAU BÂTIMENT - UIT GENÈVE

REL ETAGE





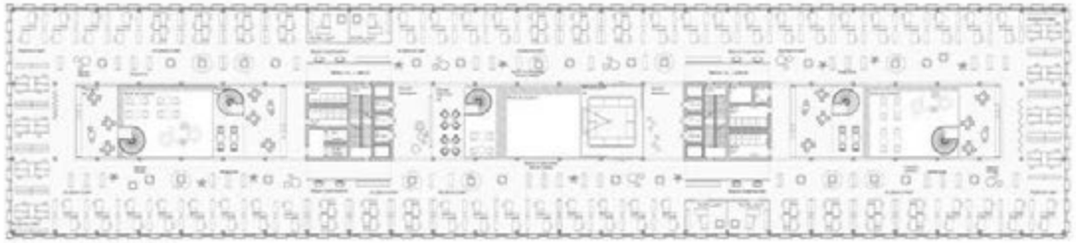
CONCOURS NOUVEAU BÂTIMENT - UIT GENÈVE



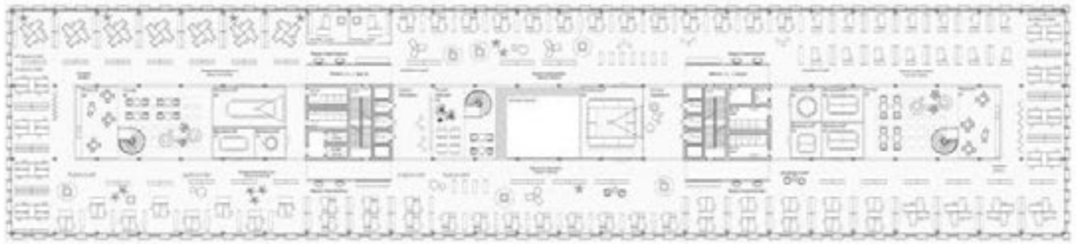
Axonométrie - principe constructif bureaux/bâtiment

Plan du sous-sol_ 1:200

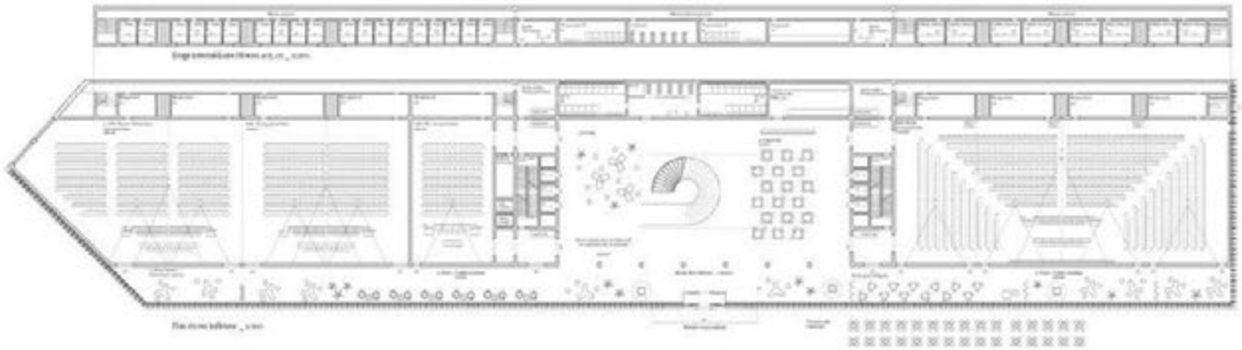
BEL ETAGE



Plan du rez-de-chaussée / Fréquentation des bâtiments

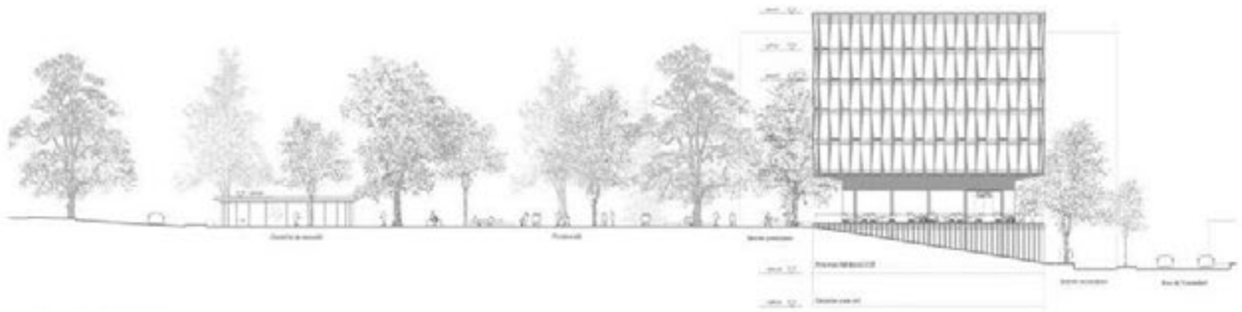


Plan du rez-de-chaussée / Fréquentation des bâtiments



Plan du rez-de-chaussée_ 1:200

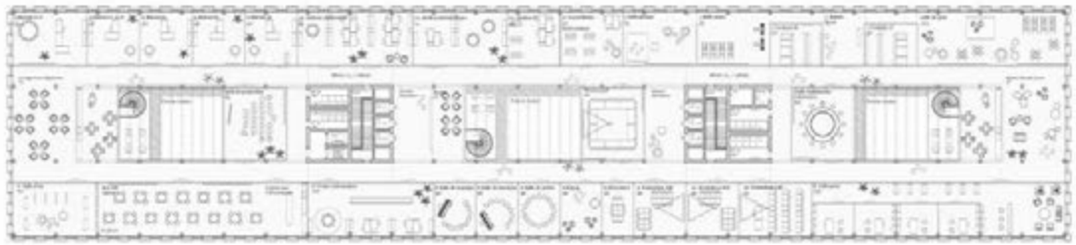
Coupe transversale sur _ 1:200

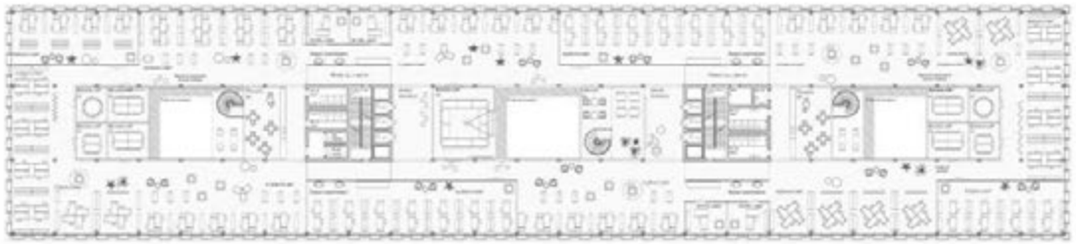


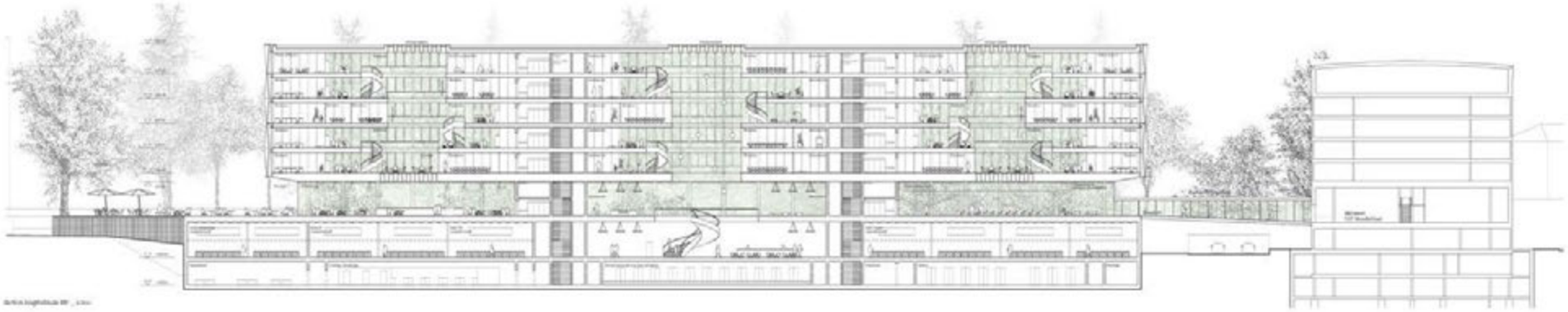
Élévation ouest - Coupe longitudinale sur UIT _ 1:200

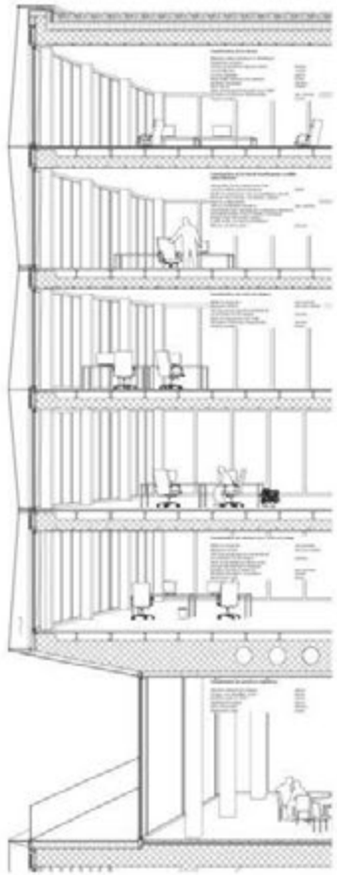
CONCOURS NOUVEAU BÂTIMENT - UIT GENÈVE

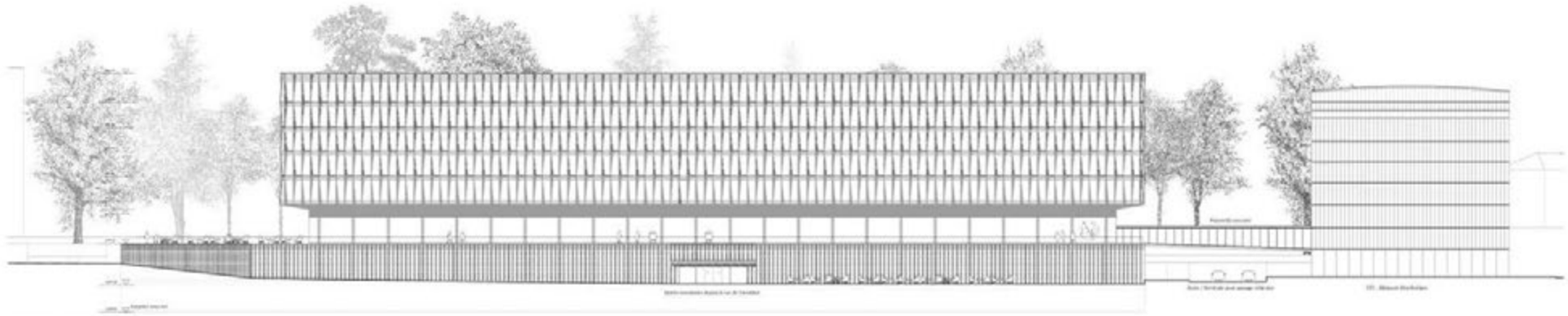
1EL ETAGE











CONFLUENCE

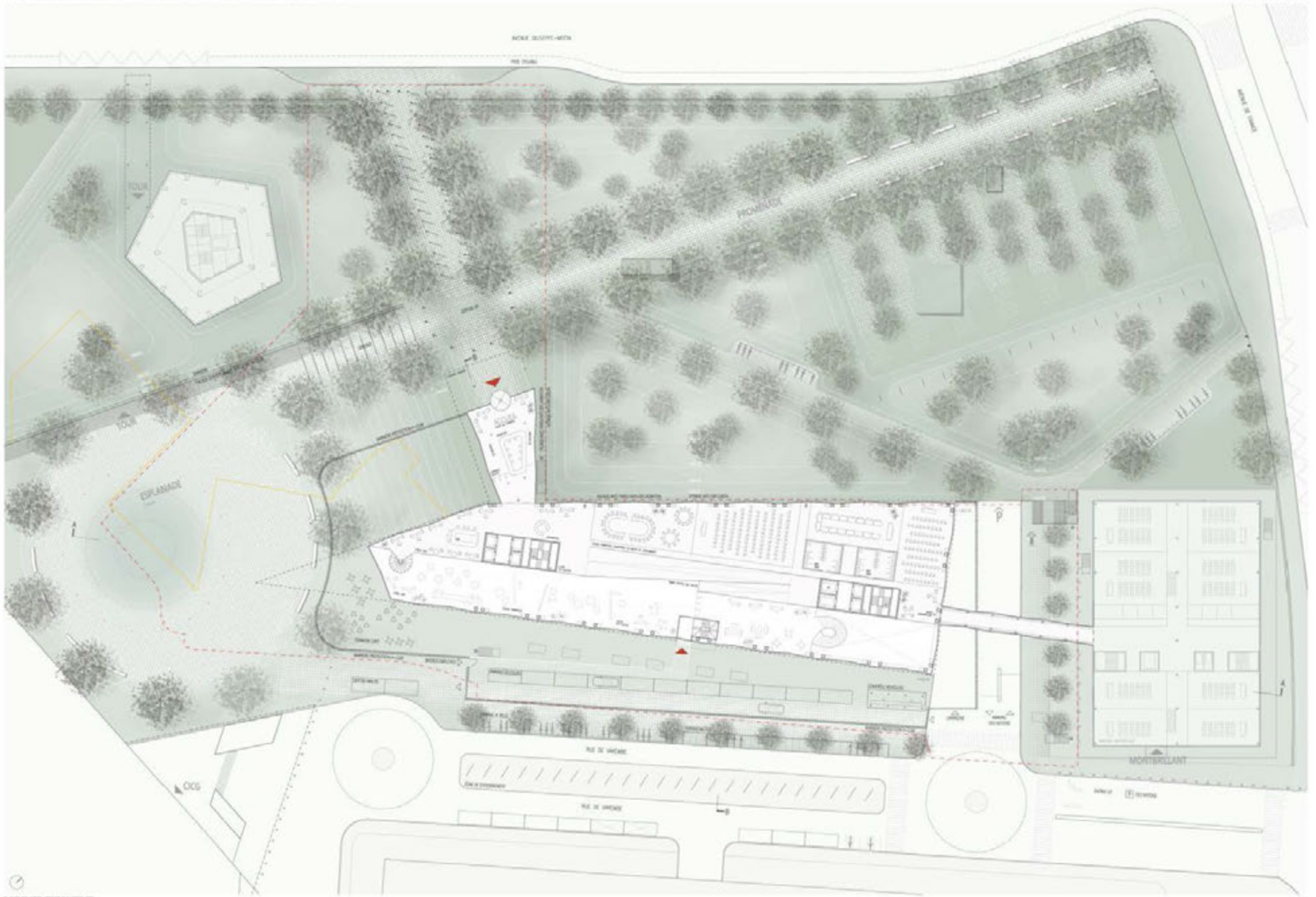
Office :
Personeni Raffaele Schärer Sarl
Rue St-Pierre 3
1003 Lausanne
Suisse

Author(s) :
Personeni Raffaele Schärer

Associate(s) :
Rita Pires
Spela Glavac
Dany Roukoz

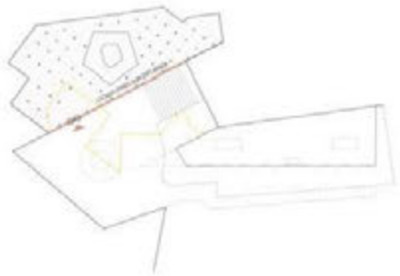
CONCOURS DE PROJET – NOUVEAU BÂTIMENT POUR LE SIÈGE DE L'UIT À GENÈVE

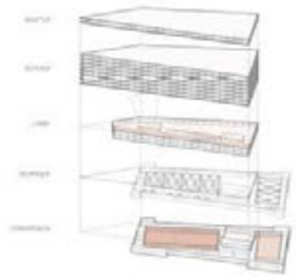
CONFLUENCE

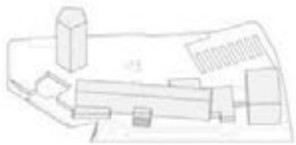


UIT – UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS

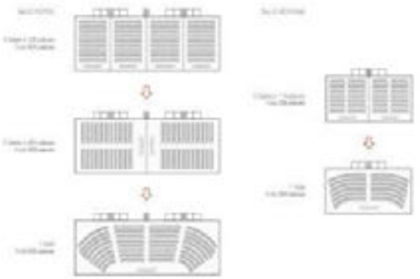
CONCOURS D'ARCHITECTURE – RÉUNIONS OUVERTES

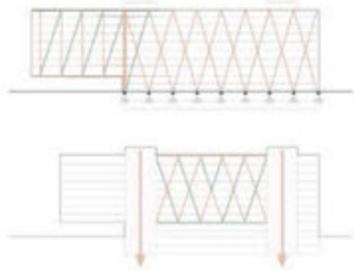


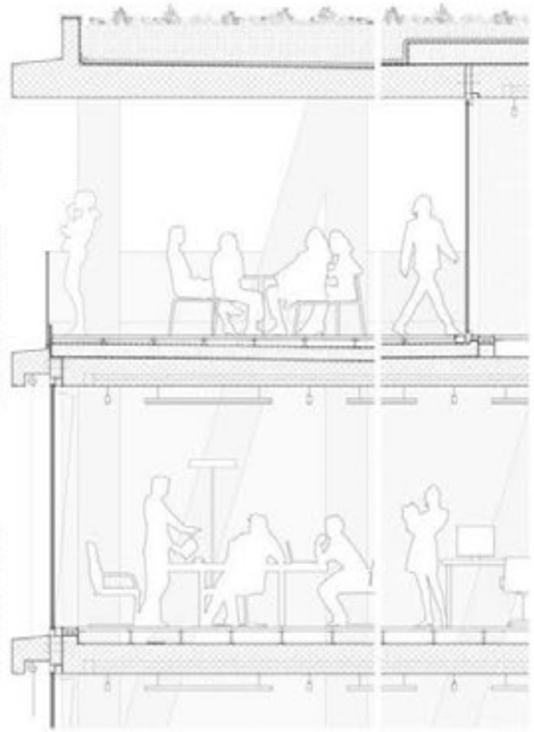


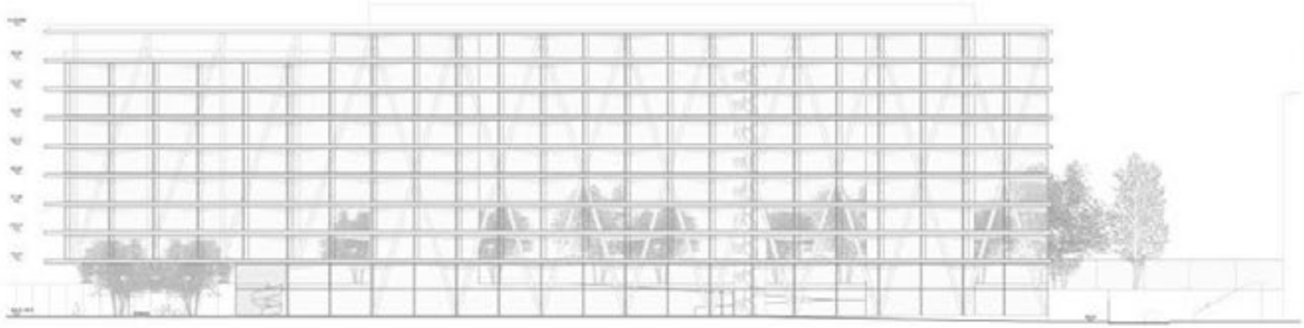


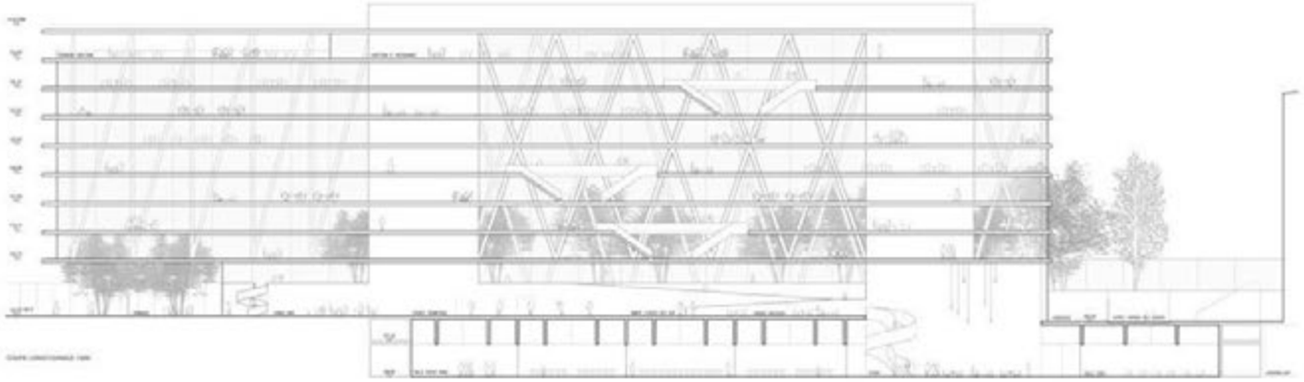

MIT - ITY

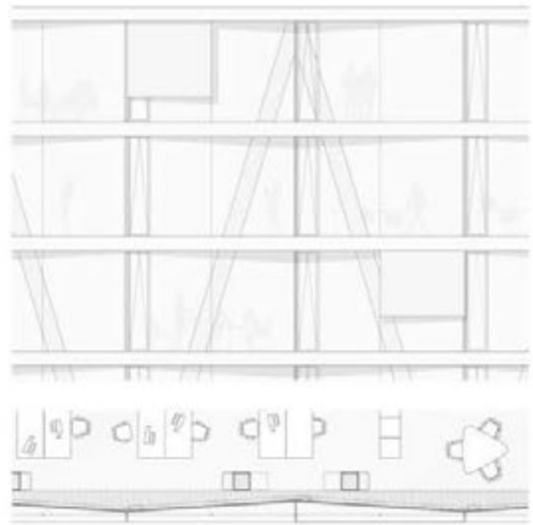






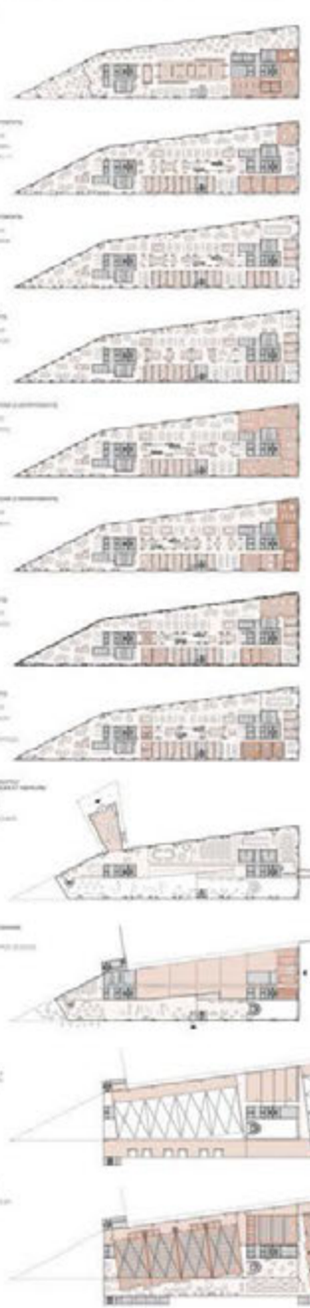


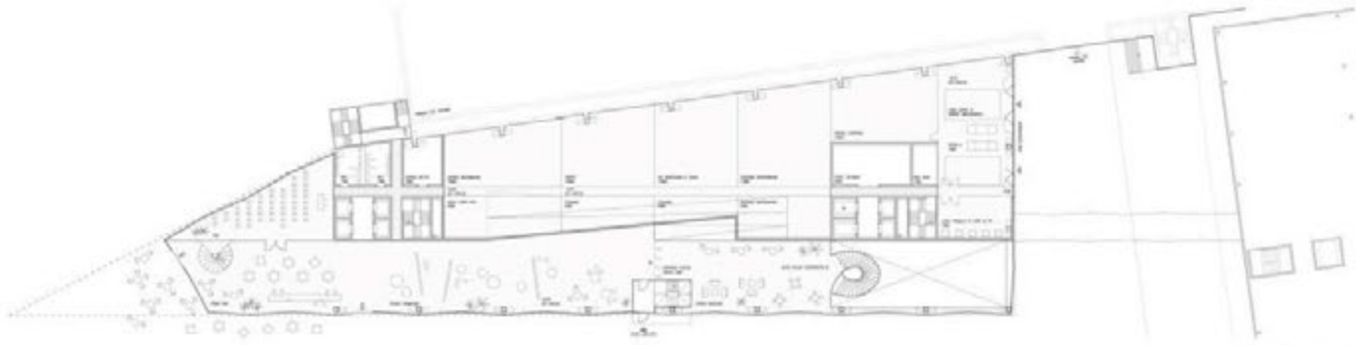


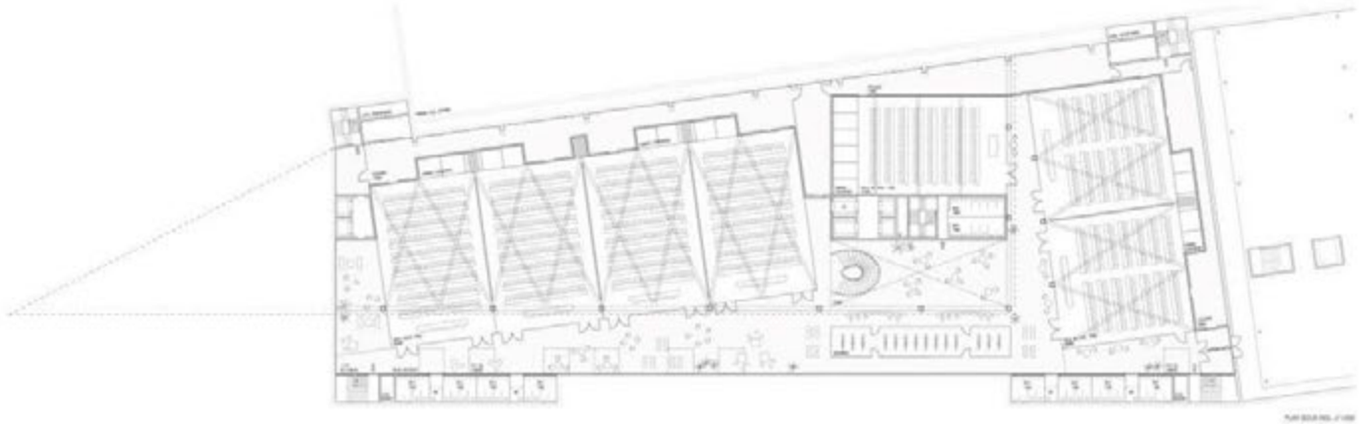


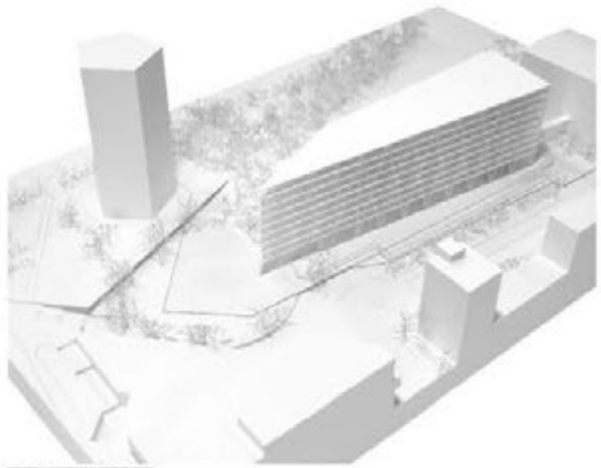
CONCOURS DE PROJET – NOUVEAU BÂTIMENT POUR LE SIÈGE DE L'UIT À GENÈVE

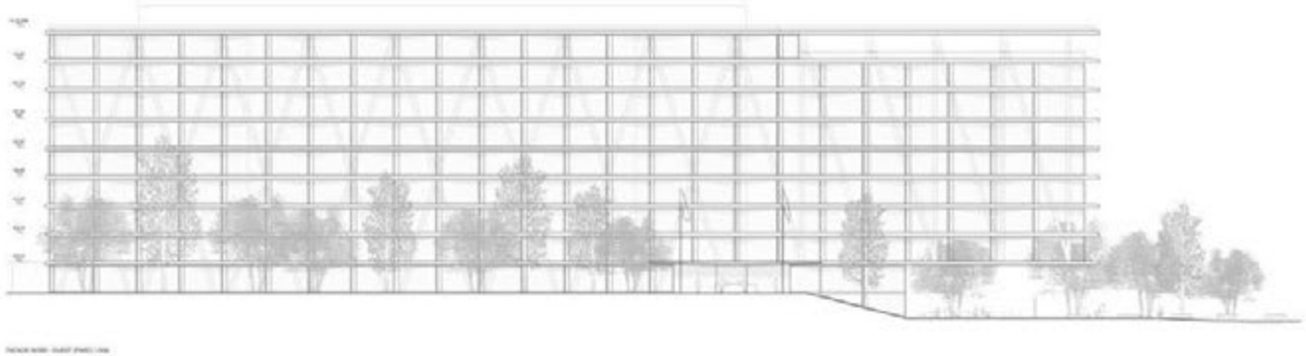
CONFLUENCE

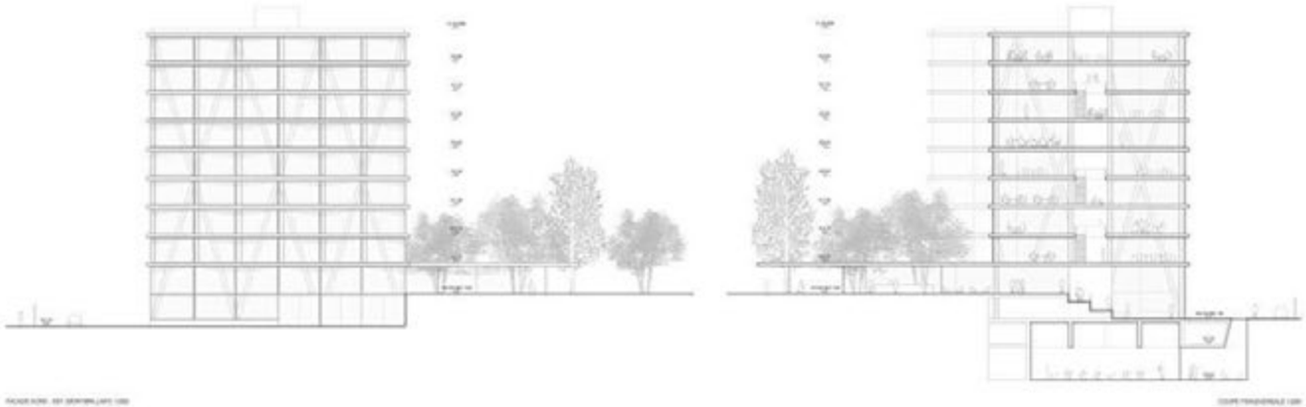


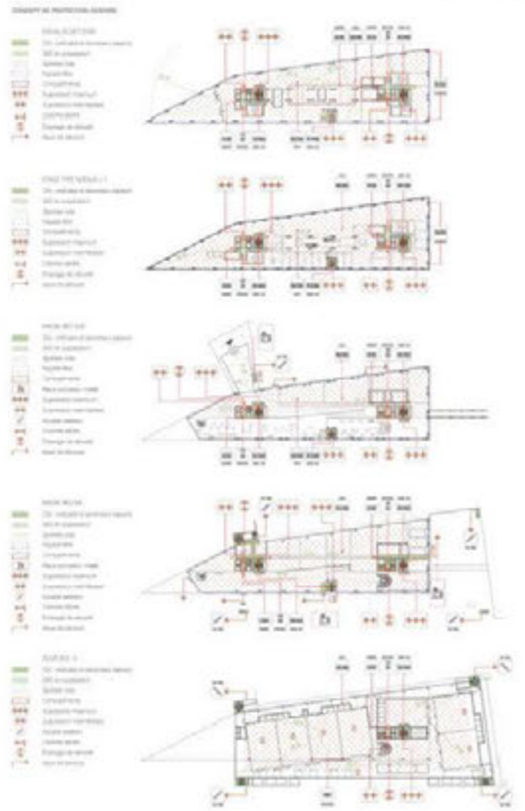












DOMUS UIT

Office :
Epure Architecture et Urbanisme SA
Pl. St-Etienne 1
1510 Moudon - Suisse

Enrico Garbin - 2 architetti
Vial Trento 7
36078 Valdagno - Italie

Author(s) :
Enrico Garbin
Marco Corda

Associate(s) :
Philip Esteve
Pascal Favre


CONCOURS NOUVEAU BÂTIMENT - UIT GENEVE
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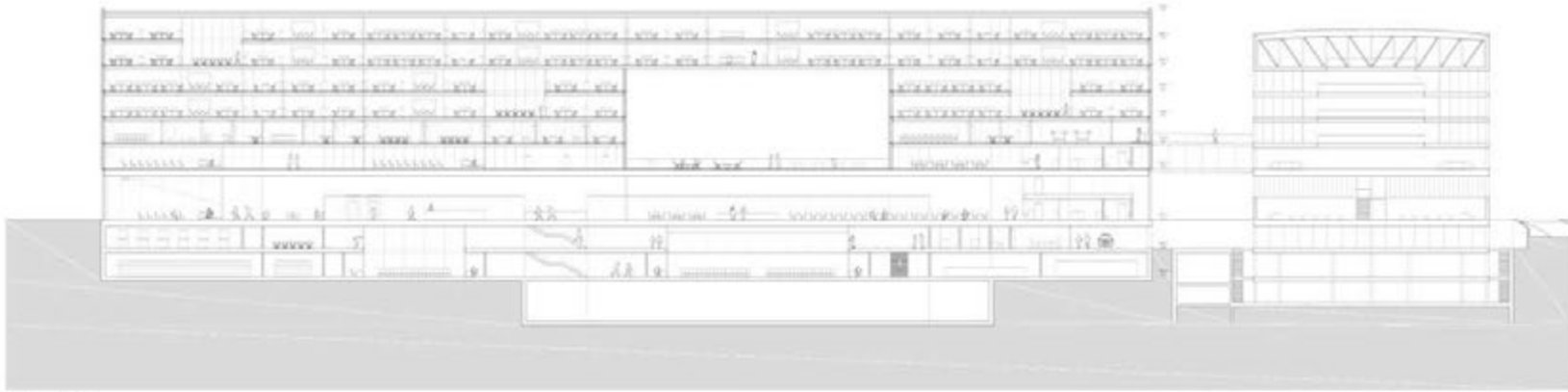

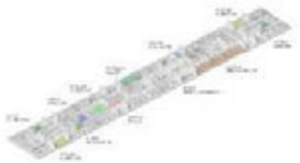

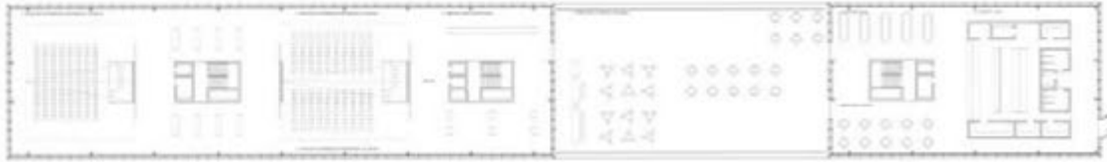

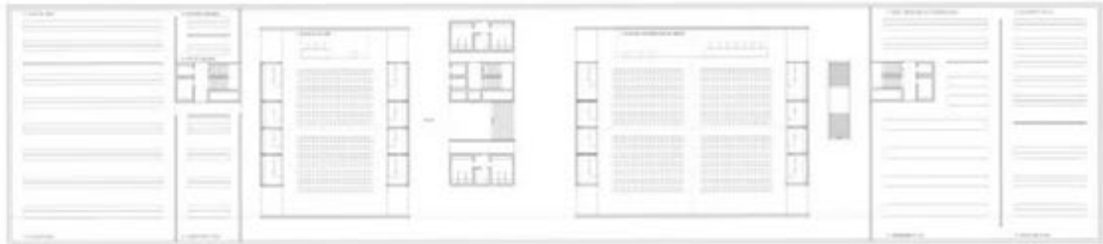

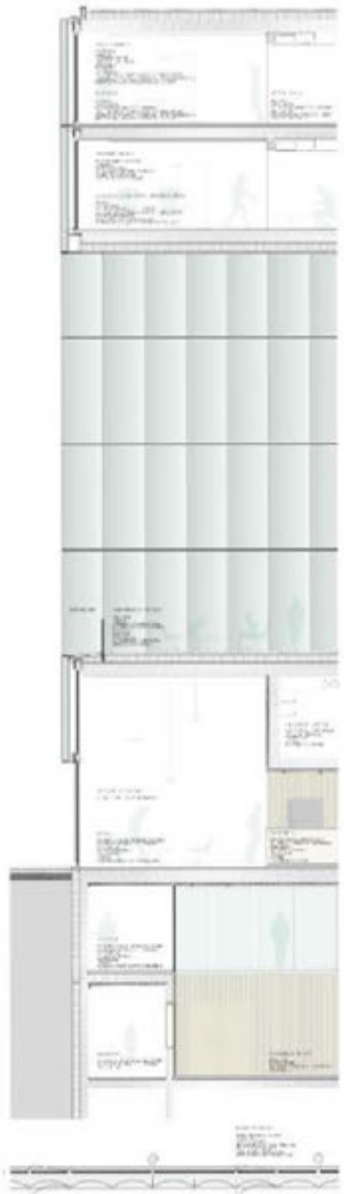

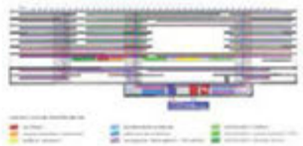

CONCOURS NOUVEAU BÂTIMENT - UIT GENEVE

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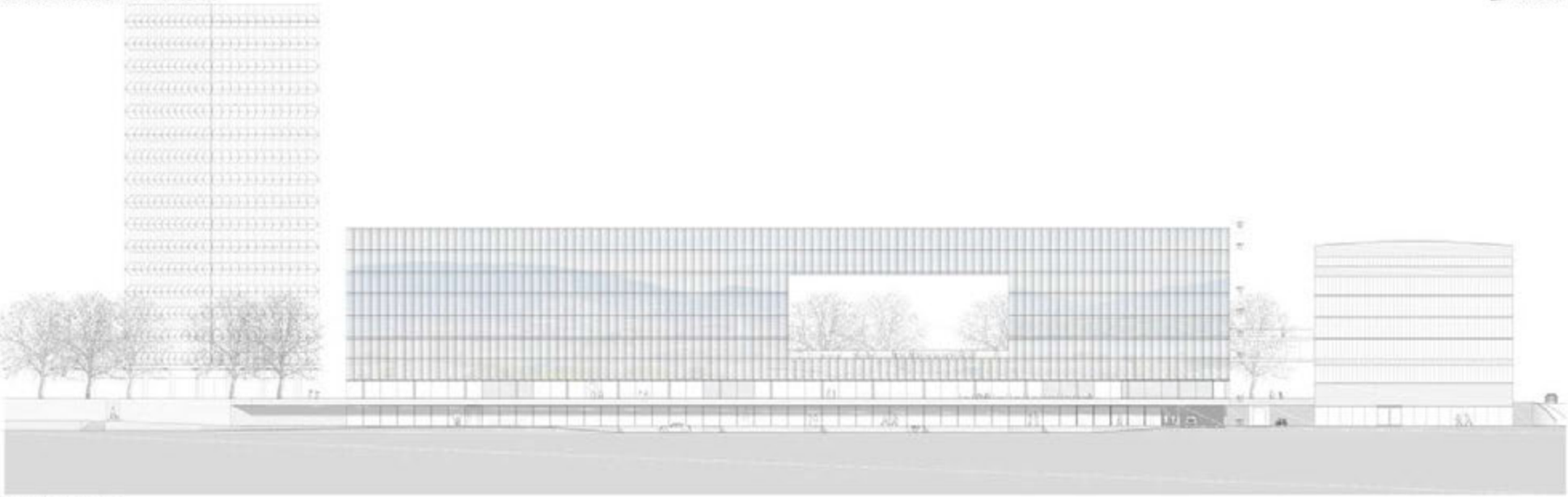

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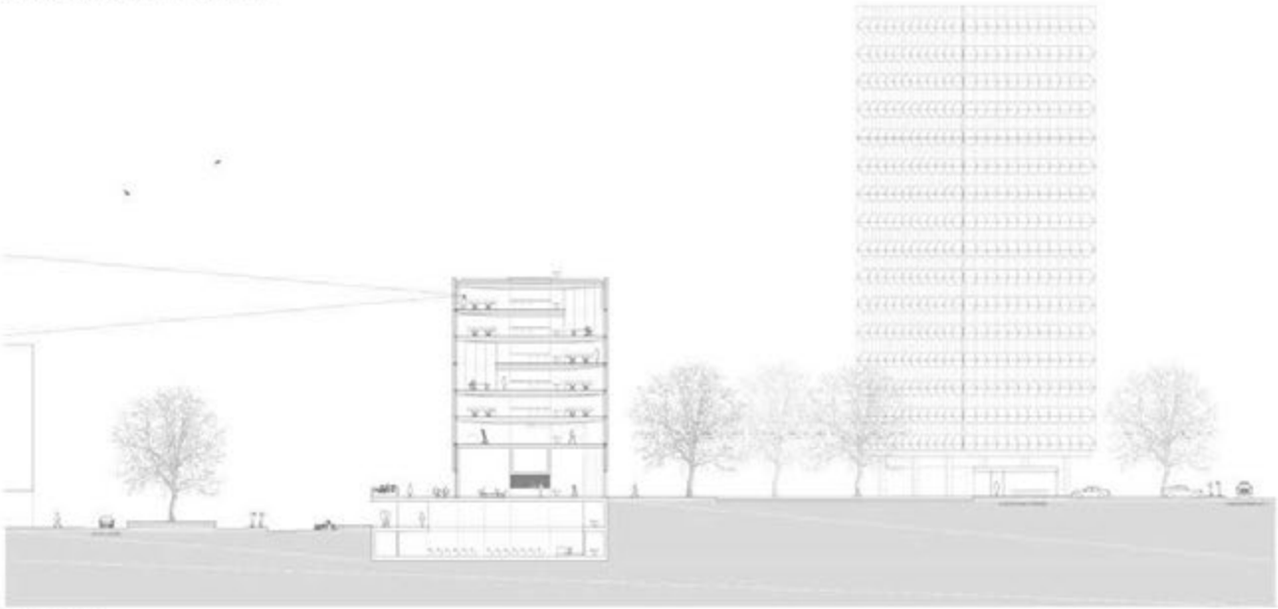
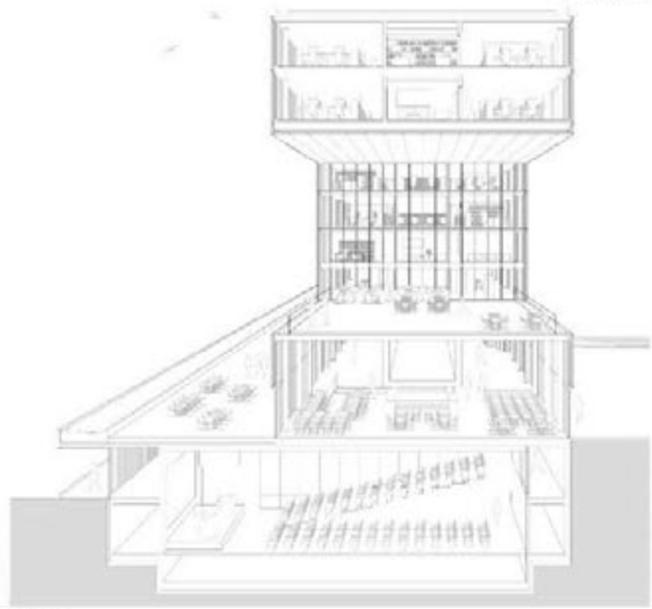
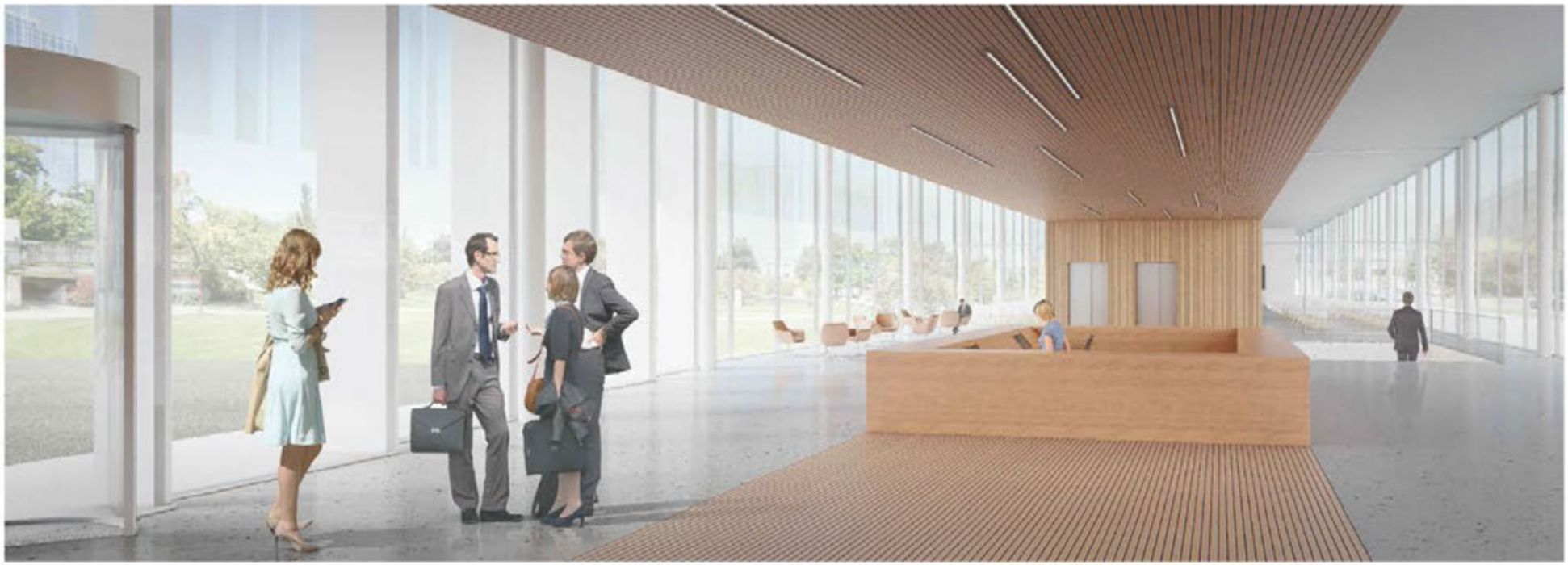




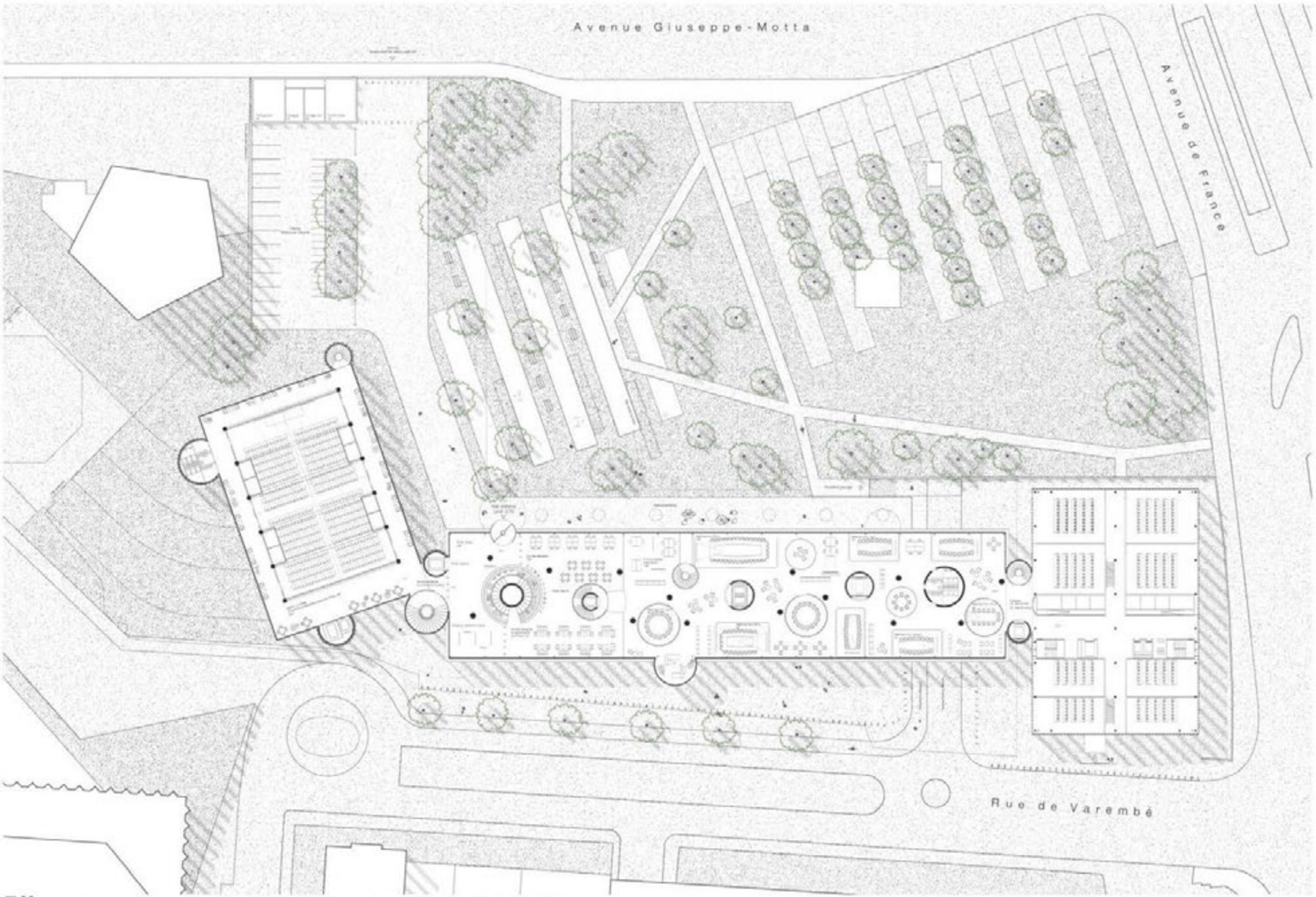


Effervescense

Office :
Saas Sàrl, avec léonie Zelger
Route des Jeunes 43
1227 Carouge
Suisse

Author(s) :
Saas Sàrl, avec Léonie Zelger

Associate(s) :
Guillaume Yersin
Léonie Zelger
Damien Magat
Sébastien Le Dortz



Effervescence

Entrance floor +3.70m. Main entrance from the Avenue Giuseppe-Motta, a few steps through the park.
On the ground floor, generous spaces to meet, and clear distribution of the different groups following security levels (public, delegates and staff). 1:200

Concours Nouveau Bâtiment – UIT Genève

Model view of the new ITU in the context of the Place des Nations, 1/500

Together apart

A few minutes away from the city center and the railway station, the Place des Nations is a world of its own. At first it an arable land, this arcadia did not last long in the postwar enthusiasm and Switzerland growing diplomatic position in the western world. From a garden, it became an area populated by large, strange isolated objects. The international organizations gathered one after the other in front of the same facades, the Palais des Nations timid. They were joined by a few grand ensembles, witnesses of the experiments of the 1960's, and later on even by some fragments of New Urbanism. The new was slowly eaten out by the destructing forces of the periphery. The Varembé building of the ITU was one of the first on site. Celebrating his time, it did not bother to define neither street nor place and centred in the field, facing the lake and the Jet d'Eau.The new extensions of the ITU pursued this logic, adding new objects to the composition.

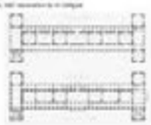
Figure ground plan, 1/1000

ITU evolving from the Palais des Nations' park, 1/1000

Expressive objects and neutral posture

In the chaotic constellation of the Place des Nations, the New Building of the ITU takes a neutral posture. Its typology recalls that of the historically existing institutions, like the Neue Pinakothek in Munich, with autistic character. A main body is being flanked with two wings, with the main entrance in its centre.This simple arrangement thus organized provides stability and clarity that allow the building to address two sides of a given situation and being almost neutral in its morphology to none in story, the Monumental building emphasizes the entrance of the Place whilst its south wing takes some liberties, without abandoning its role and eases back through the park at the Place des Nations and even further to the Palace. The New Building formally address the street and at the same time offers a serene horizon to the park and onto the Place des Nations.

Typological reference: Neue Pinakothek Munich (Abel), Library, Hall (recreation by H.Gallegut)



A wide body and two wings form the new ITU in new buildings with multiple entrances

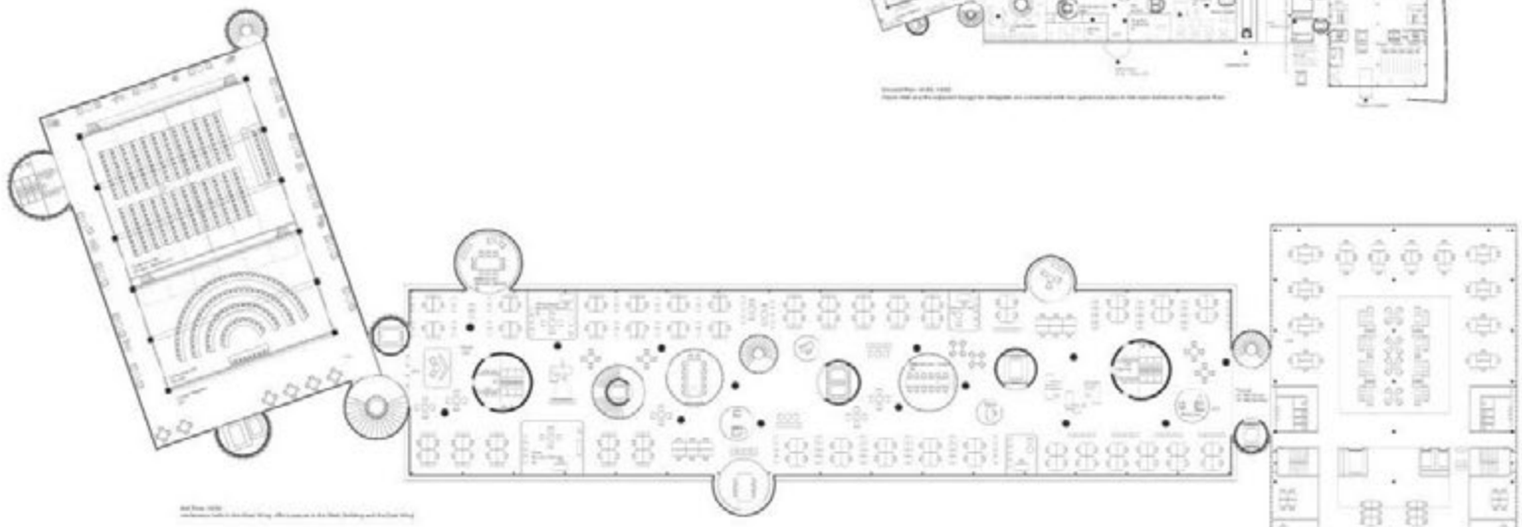
Two shapes articulate the composition and provide maximum clarity and security of identification

Public (green), delegates (yellow) and staff (dark blue) functions access control

Common spaces are strategically placed to create interactions between individuals and encouraging exchange

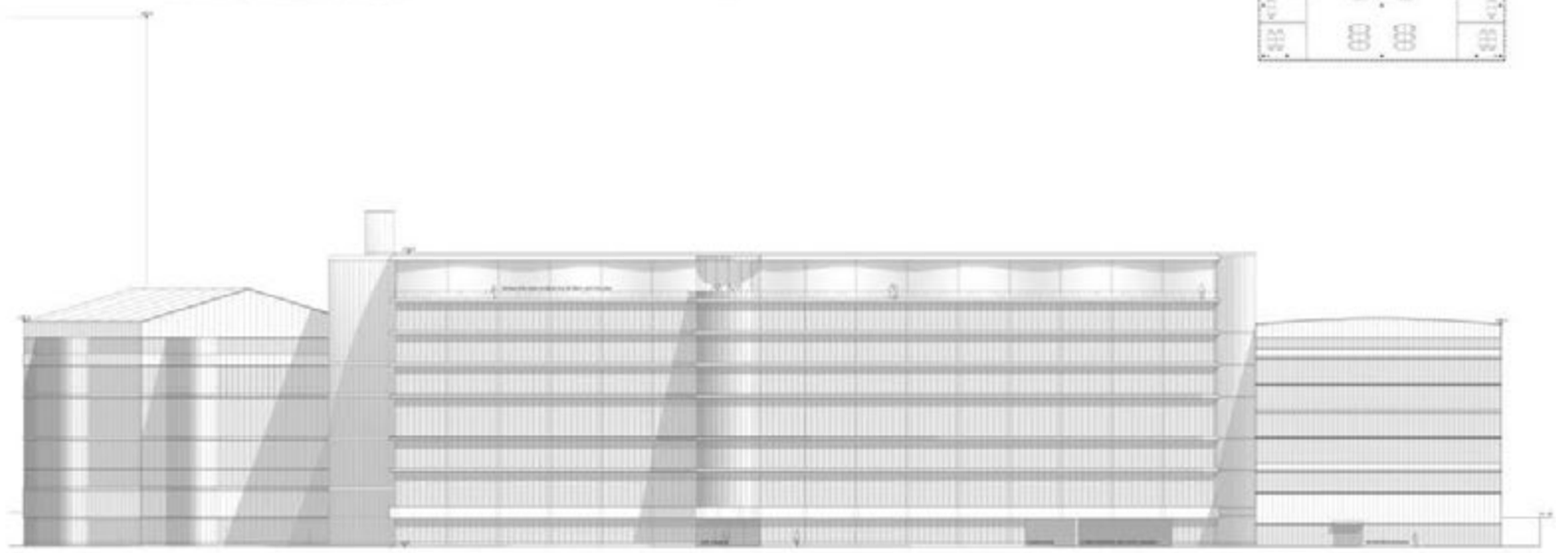
Ground floor, +0.00, 1/500

Visitor hall and the adjacent lounge for delegates are connected with two generous stairs in the main entrance to the upper floor.



2nd floor, 1/500

Interconnection to the Great Wing, office spaces are in the West Building and the East Wing



Elevation on the Rue des Morillons, 1/500

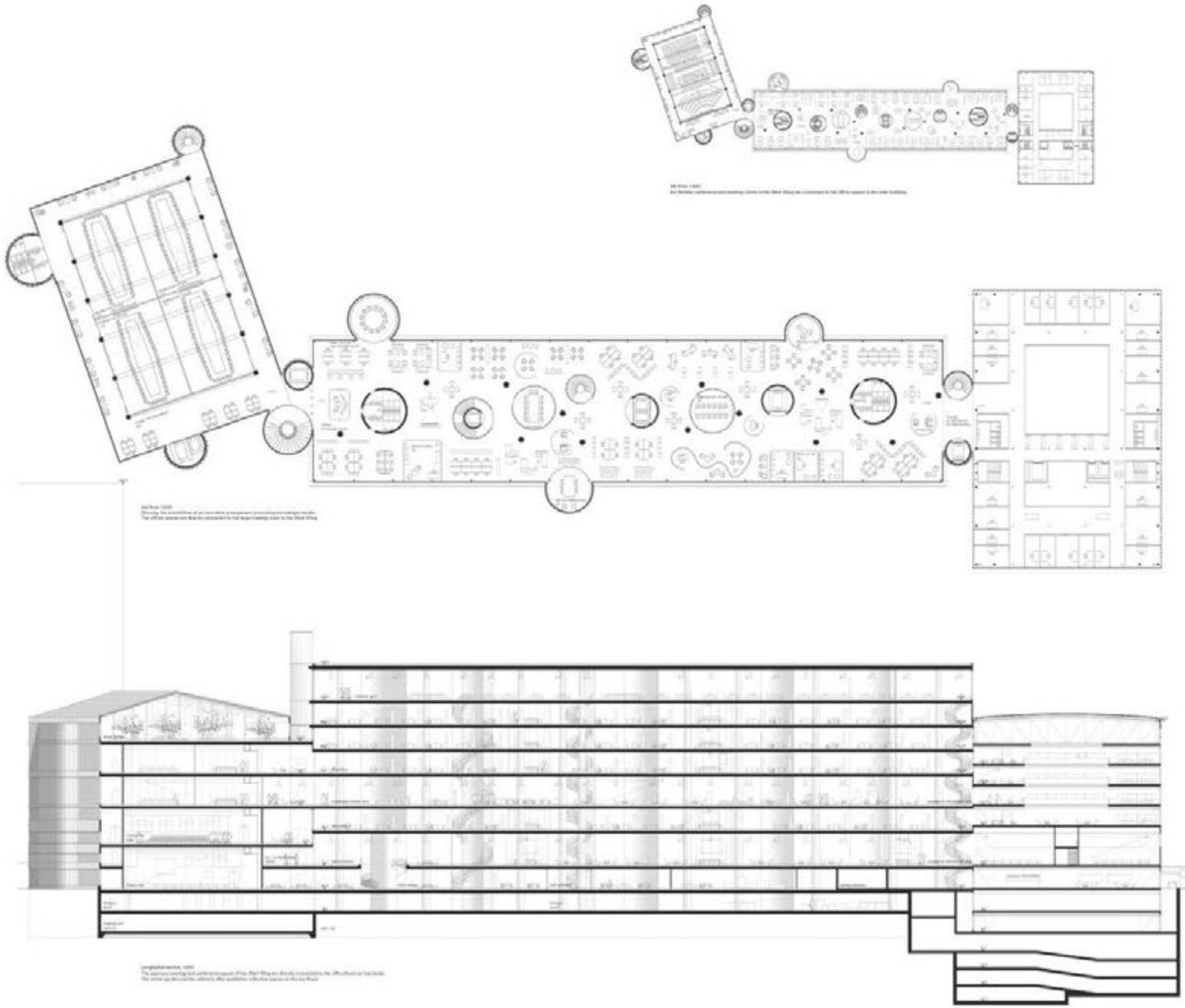
Staff entrance, collective with views towards the Mt.-Blanc and the lake

Effervescence

Moments in space
On the seemingly infinite plateaux, architectonical elements create moments in space. The sheer size of the smallest columns and their apparently random placement allow them to be perceived as autonomous objects in the field. A dialog can start between the glass volumes of the meeting rooms, the concrete cores and the load-bearing gluten columns. Through the various configurations, places of identity and character are created across the office floors, awarding colleagues, visitors and staff to meet easily, exchange and work in a diversified environment.

Vertical circulation
Aerial staircases are quickly caught to rise through the floors. Fully glazed, they give a clear lecture of the building inner organisation. More than solely staircases, they are major elements of the spatial experience of the building. Finely detailed and materialized, they offer a precise scene to look out for an almost cinematographic experience.

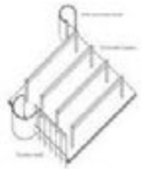
Standing aside to reflect
Protruding volumes create niches and meeting-places with exceptional views towards the park and the Place des Nations. As for a small break, the need to meet informally or just for a quick brainstorming, those allow to stand aside of the main office without leaving it. They create a sense of distance through the possibility of looking back at the building itself, and therethrough the institution.

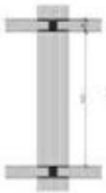


Effervescence

Ready to cast off

The open terrace gives the visitor the impression to cast off. Suspended above the neighbouring roofs, the views towards the Mont-Blanc are astonishing. A fully glazed cantilevered wall recalls the gentle waves of the lake Léman, which seem to be within hand reach. At once, the entire length of the Main Building is made visible, offering a sense of style.

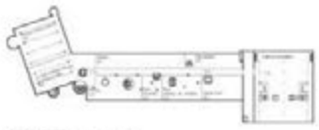


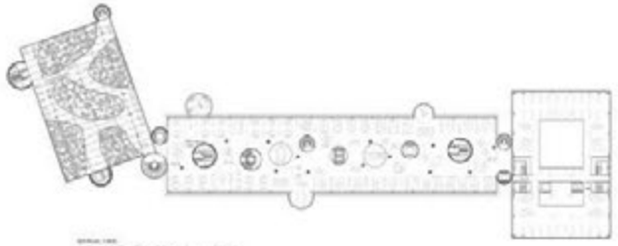


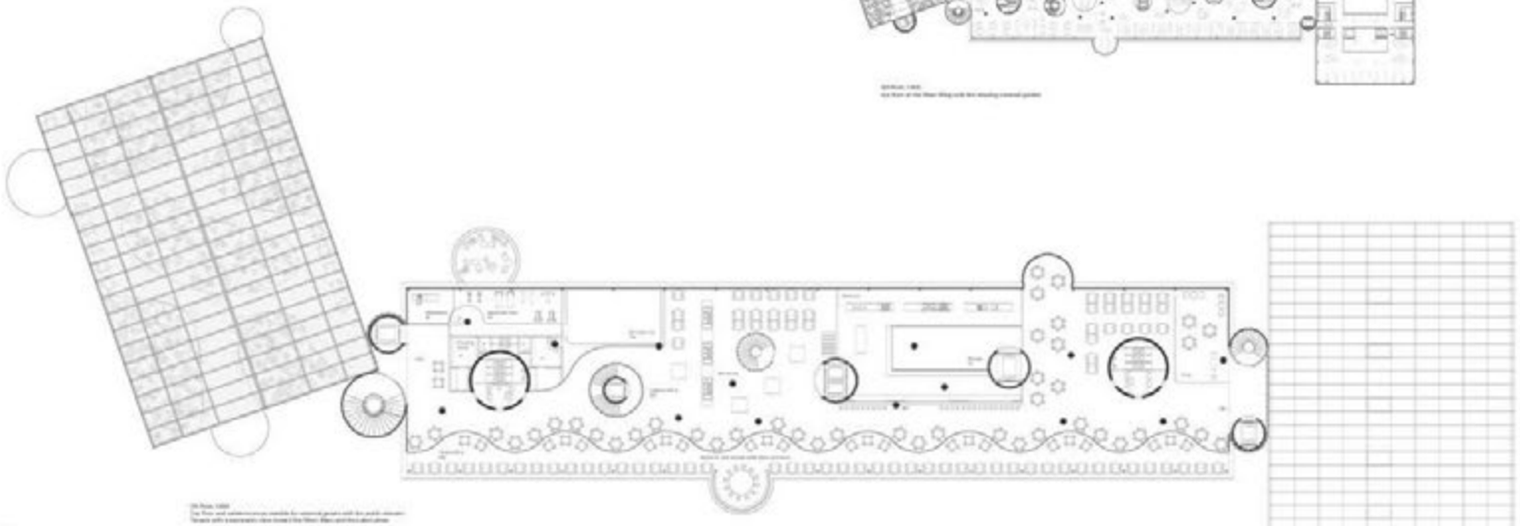
Specific structures for a specific identity

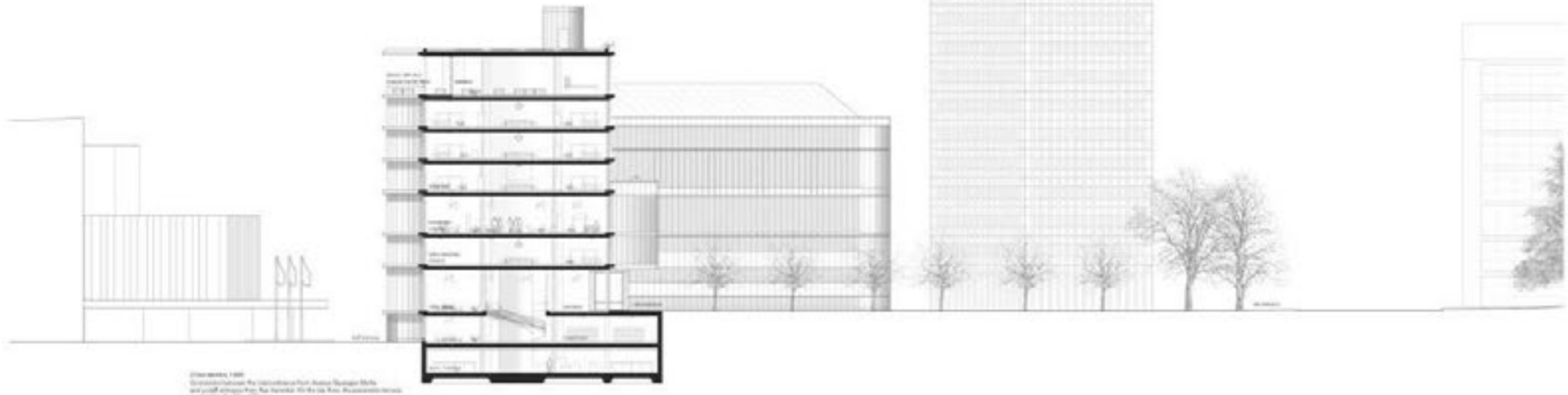
Linking up with the Montbrillant building, the extension is composed by the main office building and the more compact conference building. To support that choice, the optimal, static system is chosen in relation to its functions. The office building has a mixed structure of wood and concrete, offering an efficient and economical system, as well as a sculptural and flexible environment within the spaces. The slabs are in concrete, as well as the cores and the outer columns. The large inner columns are in glulam timber. Starting from a diameter of 120 cm in the lower floors to cope with the important loads, they reduce size up to 80 cm in the upper floor. Following two different ideal radius of 9m and 4m, the intersections of the circles indicate the zones where a column should be placed, and thus generating reasonable span. As there are far more intersections than needed, the fitting location of each column can be chosen following spatial opportunities and architectural connections. The very large, apparently randomly placed wooden columns provide a strong spatial identity without any expressive gesture.

The conference building offers mainly spacious conference halls and meeting rooms requesting a structure with a long span (no central pillars). The 90cm concrete frames create a 750 m2 space without pillars in the centre of the building, flowing the borders for circulation, lounges and views to the park through a light curtain wall façade.









Effervescence

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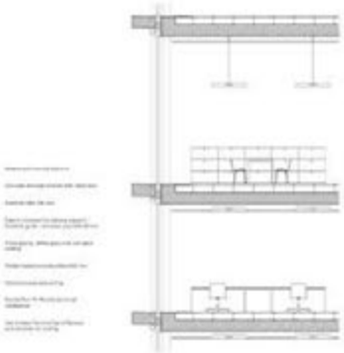
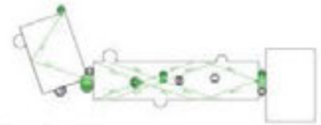
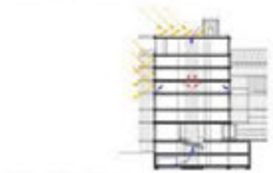
Take a stroll

On the top of the West Wing, above the conference halls, lie a winter garden. Cacti, cycas, succulents and other plants of semi-arid regions create rich compositions and call for contemplation and relaxation. Meandering ways give access to various interior in between vegetations and wooden pillars. Exterior venetian blinds prevent overheating in summer and protect plants and visitors in case of burning sun. Under a humble grizzled roof, a hidden jewel! Varies the Place des Nations, the future Geneva Philharmonic and, lumbar, the UN Palace. Tired? Go for a walk on the 6th floor, West Wing.







Building ecology / economy

The building has an efficient economical and functional structure that minimises the cooling and heating cost in the summer and in the winter. The volume of the building creates an important thermic mass. The concrete core and slabs provide inertia. The surface of the façade is minimised. The structure, although being specific, remains simple. The compact volume of the building, the optimisation of the insulation and the openings on the façade allows to attain the Minergie-P label. The connection of the technical rooms plan to use some energy sources available on site (air, water from the lac, rainwater, energy from the soil).

Effervescence

A winter sun brushes past the new ITU building.
The volumes provides a clear orientation, and a discrete but strong identity.

Concours Nouveau Bâtiment – UIT Genève

GEO MEO LEO

Office :
Ruprecht Architekten GmbH
Heinrich Landschaftsarchitektur GmbH
8037 Zurich
Suisse

Author(s) :
Rafael Ruprecht

Associate(s) :
Rafael Ruprecht
Judit Chapallaz-Laszlo
Luc Zimmermann
Theresa Erhard
Benoît Delaloye
Rossella Dazio
Olivier Vogler
Filip Grebac
Silas Bücherer
Theresa Erhart
Ingenieur : Walt Galmarini AG :
Carlo Galmarini
Stephane Braune Landschaftsarchitektur :
Heinrich Landschaftsarchitekturen GmbH
Nachhaltigkeit :
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Jörg Lamster
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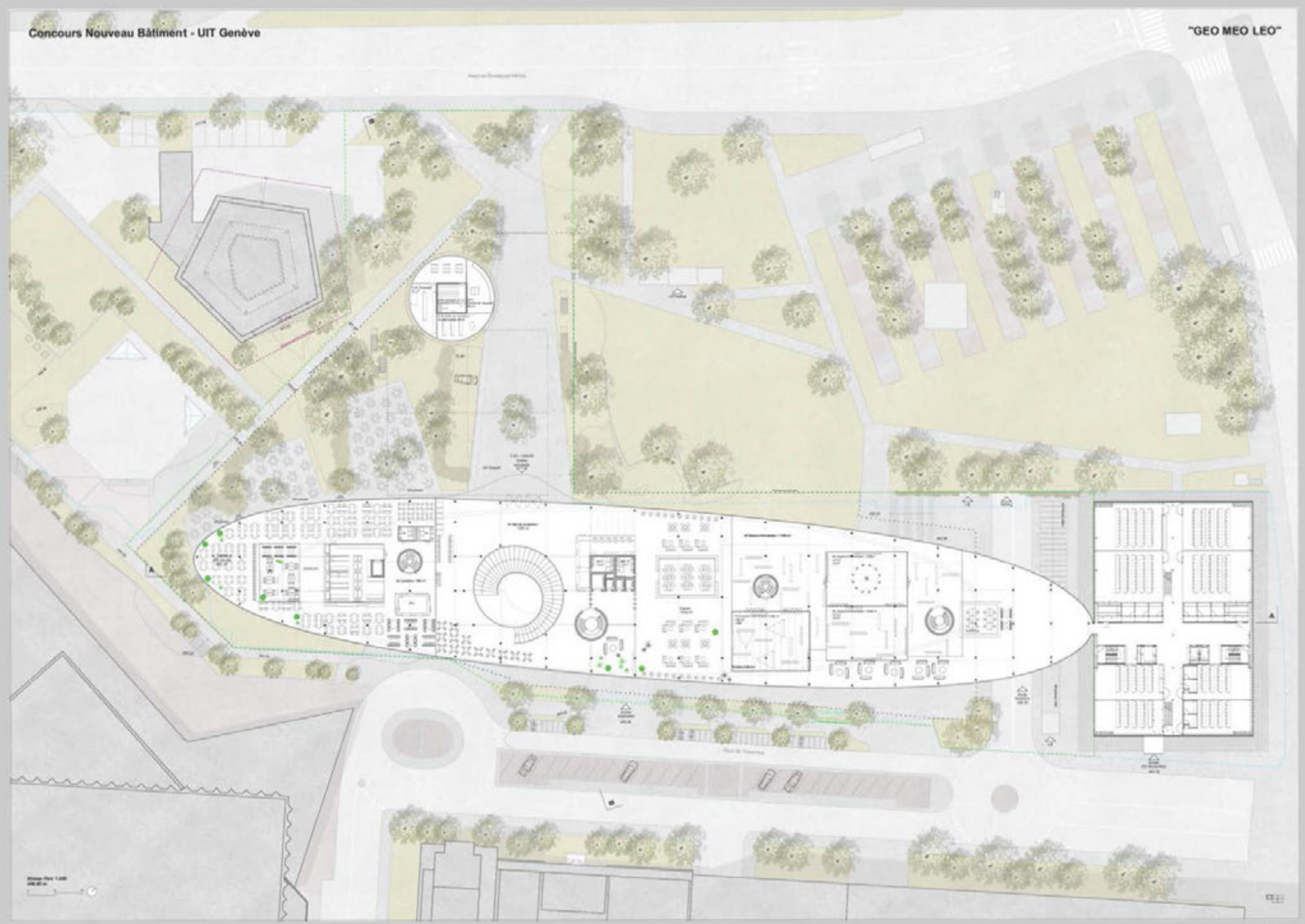
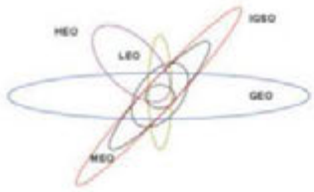
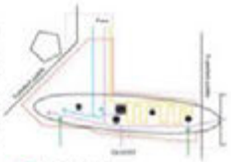
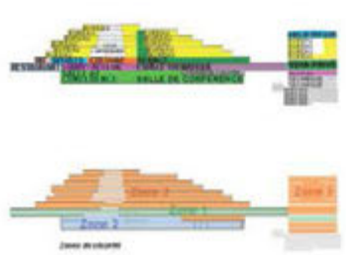

Concours Nouveau Bâtiment - UIT Genève
"GEO MEO LEO"

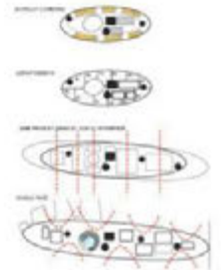
Concours Nouveau Bâtiment - UIT Genève

L'UIT sert de plateforme promouvant échanges et interactions continue. La volumétrie de son bâtiment est caractérisée par une série de larges dalles elliptiques se développant en direction de son environnement hétérogène et invitant les échanges tant au point de vue physique qu'atmosphérique.









CARACTERE UNIVERSEL DE L'UIT

CONCEPT ARCHITECTURAL

FACILITATION DES ECHANGES

CONCEPT URBAIN : CONNECTER

AMENAGEMENTS EXTERIEURS

ENTREE

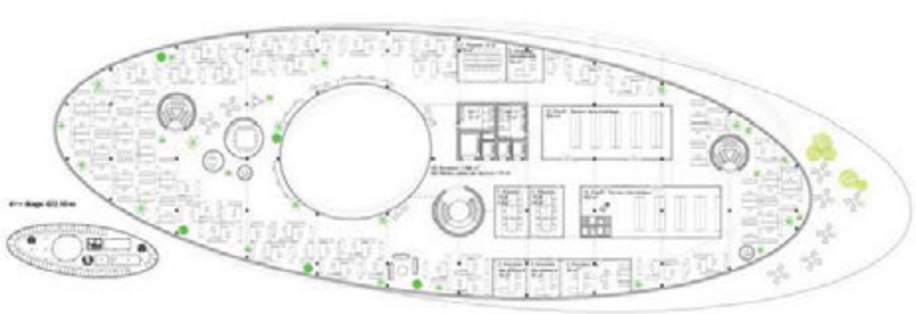
SECURITE

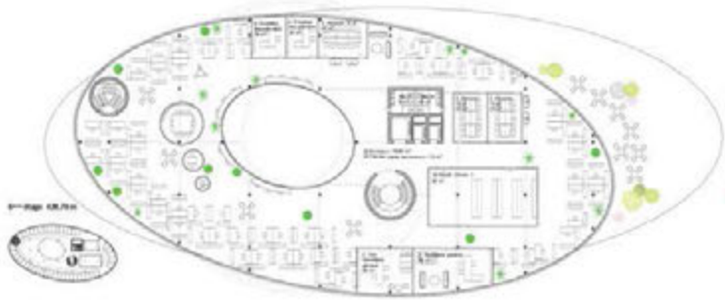
QUALITES FONCTIONNELLES / QUALITES SPATIALES

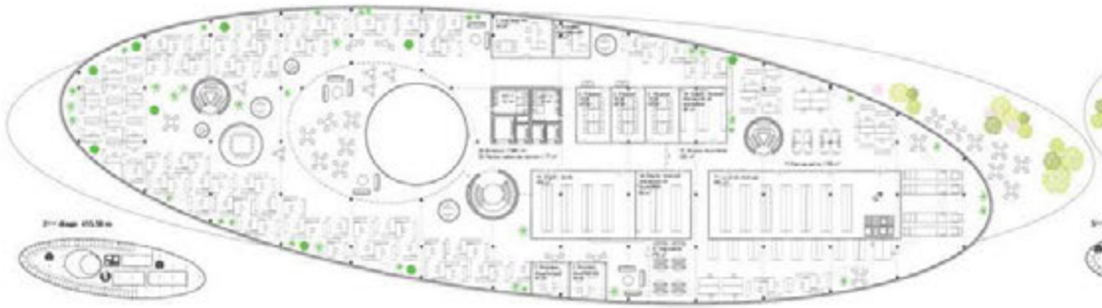
PROGRAMME

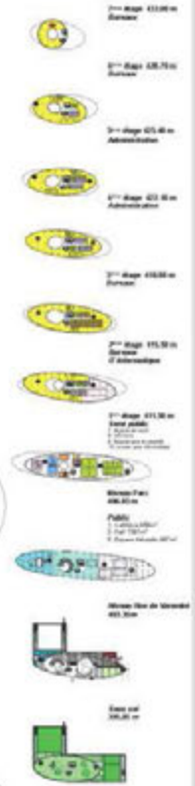
Concours Nouveau Bâtiment - UIT Genève

"GEO MEO LEO"







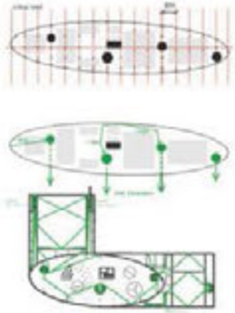


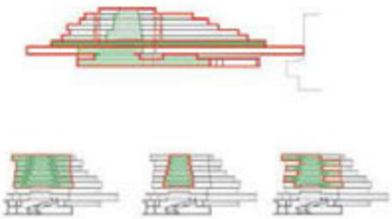
STRUCTURE

La structure du bâtiment se compose de poteaux métalliques supportant une grille de châssis. Afin d'assurer la contreventement de cette structure et d'atteindre une sécurité parasismique optimale, 4 noyaux sont stratégiques sur toute la longueur du bâtiment (voir des sabotiers dans le système structural. Le tout est fabriqué à base de béton coulé.

Une grille régulière de 8 m sur 8,5 m compose la structure intérieure. En plus de la grille, une rangée de colonnes longe la façade. En cas de pluie d'eau ou d'environnement, des rideaux pourraient être déployés dans l'épaisseur du faux plancher permettant la protection avec la grille principale. Au niveau du premier étage, un changement structural intervient afin de permettre une plus grande flexibilité pour les salles de réunion et aussi le rez-de-chaussée. Une nouvelle série de poutres triangulées et précontraintes est mise en place.

La grande salle de conférence est placée en retrait de la volumétrie générale et possède ses propres système structurel limitant.





Projet de base
Cœur intérieur + couronne non séparée
Une rampe contiguës par un composé montage coupe-feu

Adaptabilité possibilité 1
Cœur intérieur + couronne séparée
Une rampe contiguës par un composé montage coupe-feu

Adaptabilité possibilité 2
Cœur intérieur + couronne, Aplicata

DURABILITE ET ECONOMIE

Le futur vitrage offre un grand confort aux occupants pour l'installation du panneau solaire. Ce faible emprunte au sol et sa géométrie très compacte garantissent des coûts réduits et une meilleure efficacité énergétique. La grande flexibilité des locaux (flancs) permet également d'adapter les locaux selon les besoins de l'UIT et de provoquer ainsi sa durée de vie.

La façade du bâtiment est comment structurée. Séparée de la structure par un système. Parallèle et fixe de dalle. La façade se compose de grands vitrages isolant planchet et dalle, d'une protection solaire extérieure et intégrée d'un profil métallique et d'un volet de protection anti-éblouissement supplémentaires. La protection solaire, en store à lamelles, est actionnée par le biais de capteur météorologique. Le triple vitrage possède un coefficient U de 0,8 W/m2K.

A l'intérieur, les dalles du béton brut ont un bon potentiel d'accumulation de chaleur et réduisent ainsi les besoins en climatisation des bureaux. Les faux-plafonds et cloisons sont positionnés avec respect de distance aux dalles afin que ces dernières ne perdent pas leur effet thermique. Aux étages du bureau, les équipements techniques sont situés sous un faux-plancher.

Avec tous ces mesures couplés à une technique du bâtiment efficace et claire, le bâtiment peut ainsi répondre aux standards de développement durable tels que les DGNB, SGNI, LEED ou autre SNBS, et ainsi satisfaire les contraintes rencontrées lors de la construction et de l'exploitation des locaux ainsi que les critères de rentabilité.

LA VENTE DE LA TOUR

De par son implantation et sa géométrie, le bâtiment permet dans l'extension de la surface exploitable. Il offre ainsi une grande liberté d'aménagement à un éventuel acheteur. En effet, en n'agrandissant de 4 m ici, on peut gagner 440 m2 par étage, soit 4'760 m2 de surface utile.

CONSTRUCTION ET MATERIAUX

Le bâtiment se démarque par sa forte horizontalité. Cette impression est renforcée par le rétrécissement des dalles entre les étages, ainsi que par les profilés métalliques en façade. Les surfaces vitrées intégrées à ces profilés jouent également un rôle important dans son environnement et affirment son caractère de point entre l'être mécanique et numérique. Grâce aux vitrages, un climat intérieur très confortable est garanti. Le bâtiment possède une protection solaire extérieure.

LUMIERE NATURELLE

Les bureaux se démarquent par une grande présence de lumière naturelle. La façade entièrement vitrée couplée à l'absence d'angle apportent une grande clarté dans les locaux. De plus, les grands de tracé directement toutes d'une vue directe sur l'extérieur. Les locaux crée par contre une atmosphère plus sombre et plus intimiste lorsque les cloisons sont fermées.

PROTECTION INCENDIE

Chaque local du bâtiment se situe à moins de 30 mètres d'un escalier de secours. Les salles de cas derniers ont toujours deux issues sur le bâtiment, afin de faciliter le cheminement en cas d'évacuation. La grande salle de conférence possède ses propres sorties de secours indépendantes.

Le bâtiment est divisé en plusieurs parties distinctes et compartimentées : en haut, les étages de bureaux s'arrêtent autour d'un atrium de façade. Ensuite, les conférences salles en rez-entièrement, chaque étage pour être adapté en tant que compartiment coupe-feu. Au milieu, l'étage des fonctions sera protégé horizontalement par un compartiment coupe-feu horizontal entre le haut et le bas du bâtiment. Les salles de conférence sont également compartimentées coupe-feu et sécurisées. Matériaux annexe de l'atrium est isolant à l'intérieur.

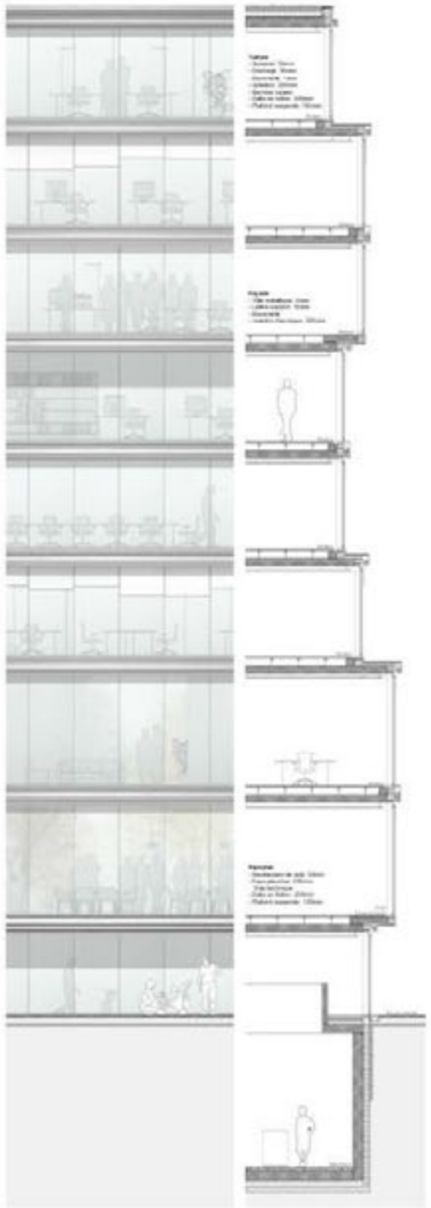
En plus, tous les locaux sont équipés de fumigènes.

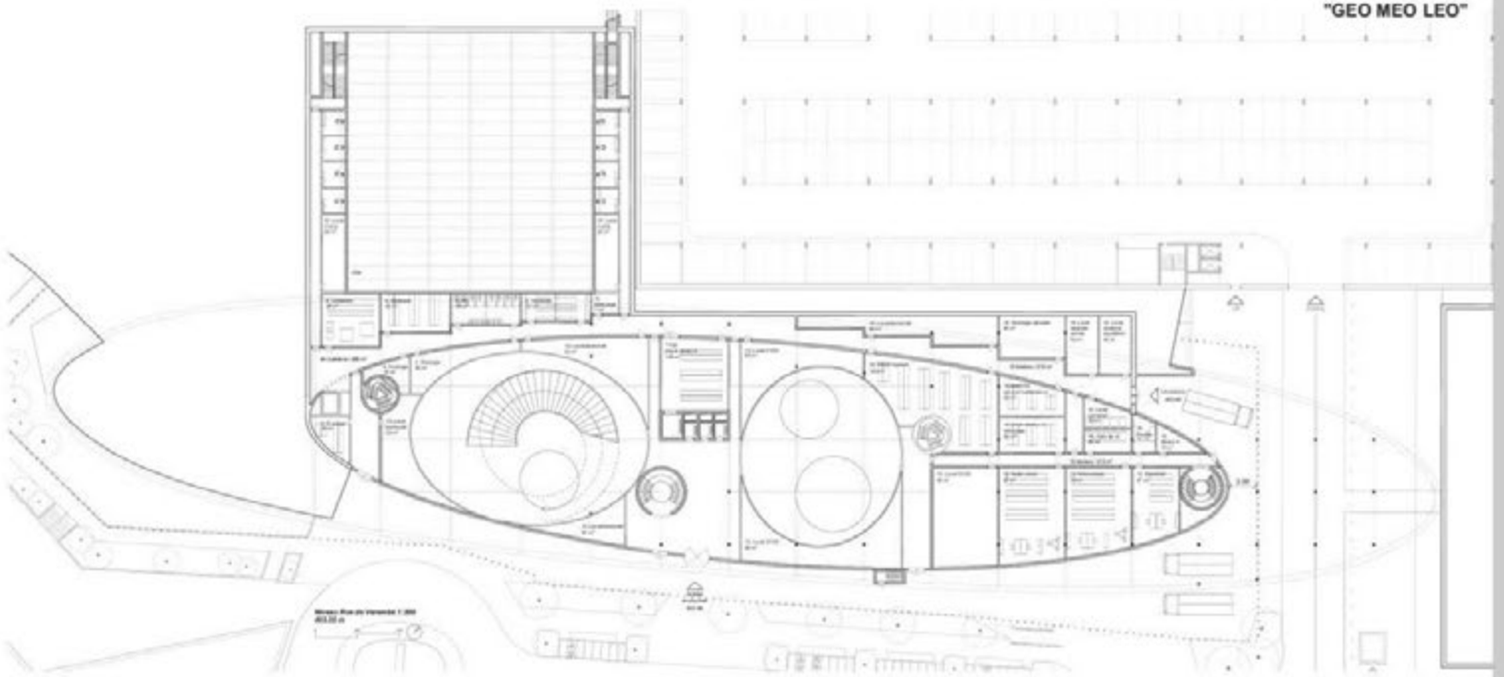
REGLEMENT DE CONSTRUCTION

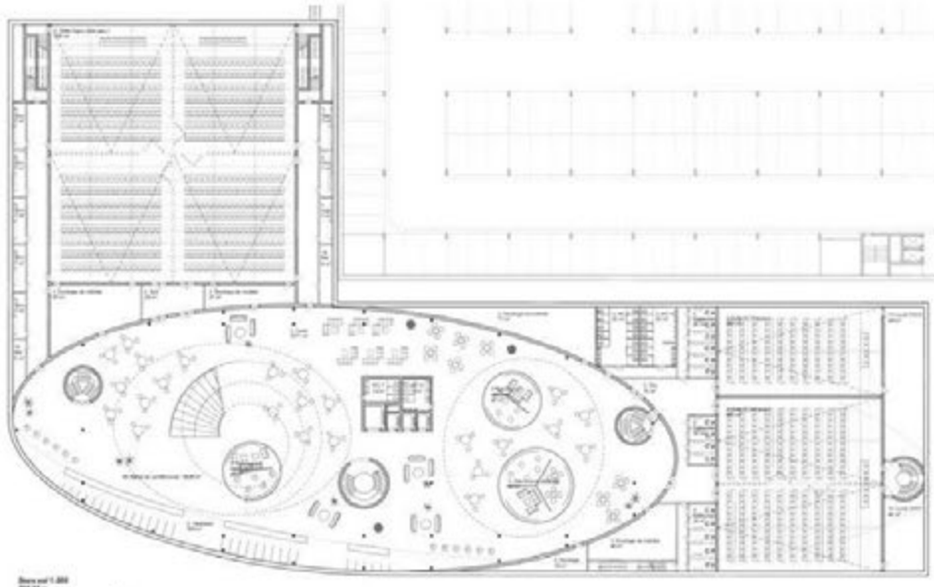
Le bâtiment respecte le règlement de construction et les dalles en aux limites ainsi qu'aux autres bâtiments. De plus, tout les locaux bénéficient d'une vue directe sur l'extérieur. Seule la hauteur de 30 mètres est quelle a dérogation, sera pour autant passée dans la catégorie des bâtiments élevés.

Concours Nouveau Bâtiment - UIT Genève

"GEO MEO LEO"







Concours Nouveau Bâtiment - UIT Genève

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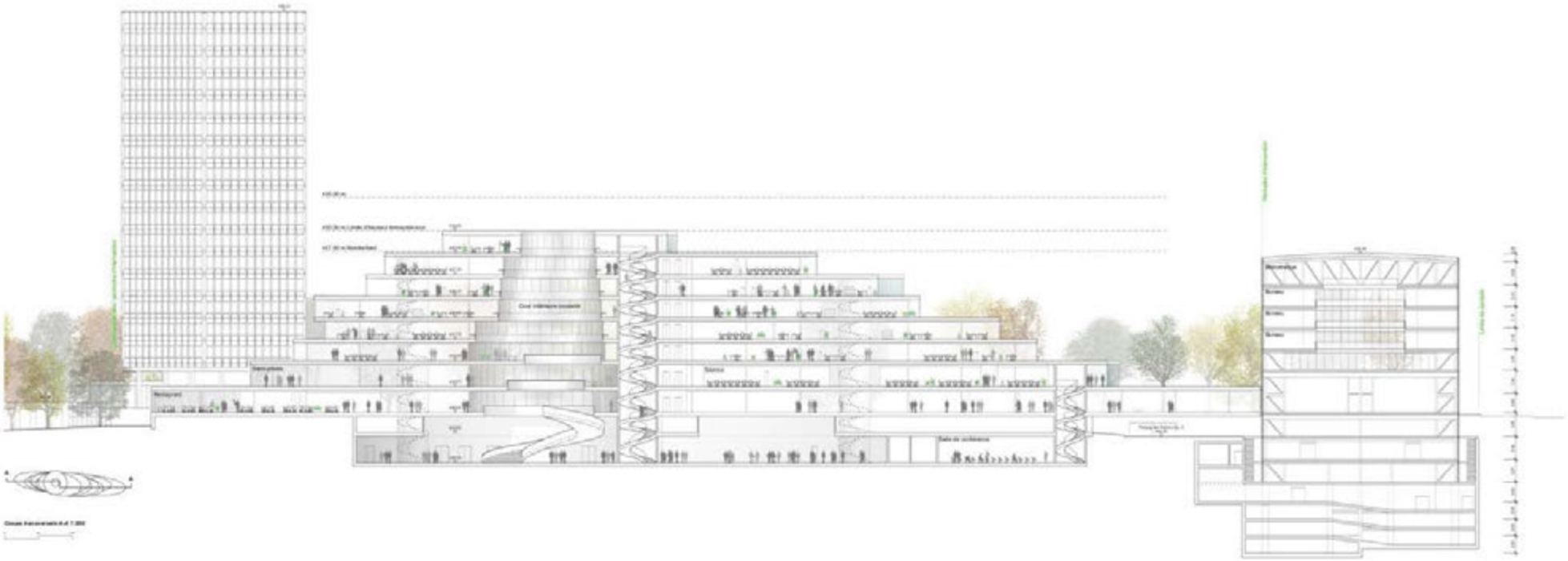
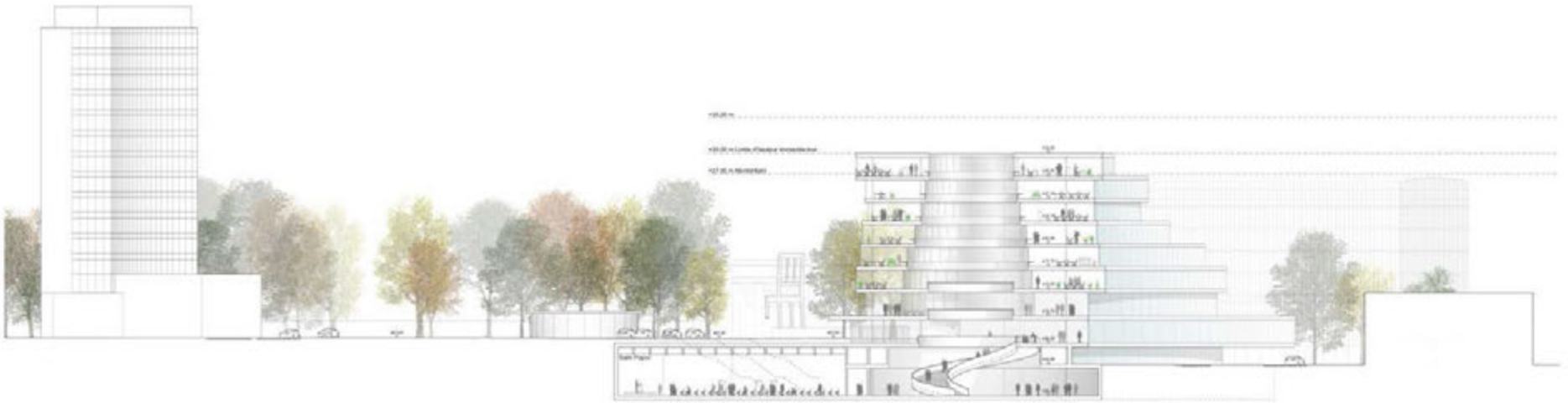




MOON-24

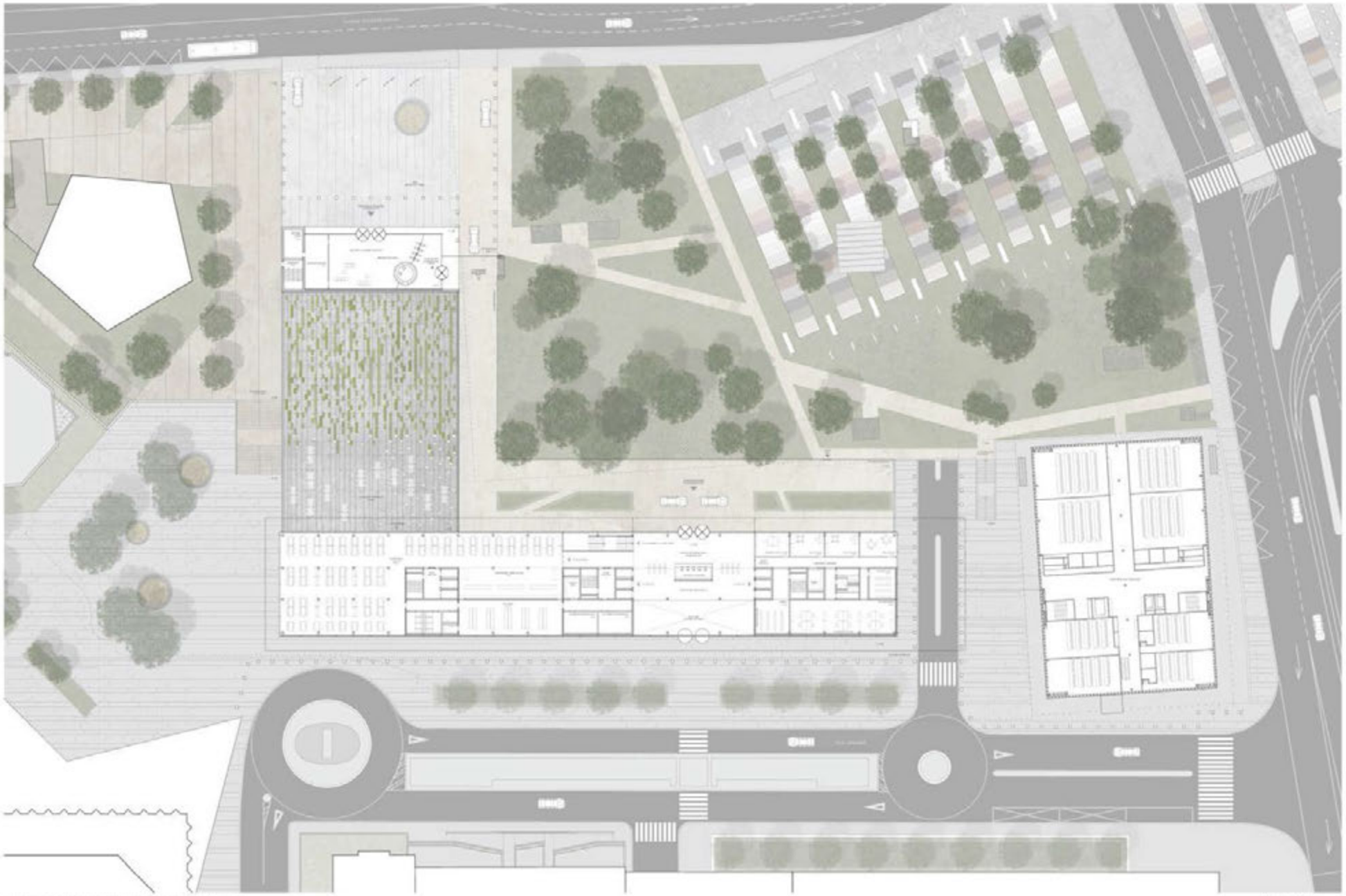
Office :
Frei & Stefani SA
Chemin du Pré-Fleuri 5
1228 Plan-Les-Ouates
Suisse

Author(s) :
Raffaele Stefani

Associate(s) :
Raffaele Stefani
Xavier Ribera
Nicola Romano

CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIÈGE DE L'UIT A GENÈVE | PROJECT COMPETITION - NEW BUILDING FOR ITU HEADQUARTERS IN GENEVA

MOON-024



UPPER GROUND FLOOR | PLACE DES NATIONS | 1/200 - LANDSCAPE ENVIRONMENT

CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIÈGE DE L'UIT A GENÈVE | PROJECT COMPETITION - NEW BUILDING FOR ITU HEADQUARTERS IN GENEVA

MOON-024

GROUND FLOOR | ALE DE MANDRIÉ | 1:1000 | URBAN ENVIRONMENT

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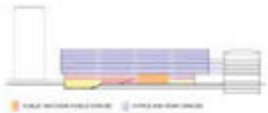
MOON-024

SITUATION PLAN | 1/2000

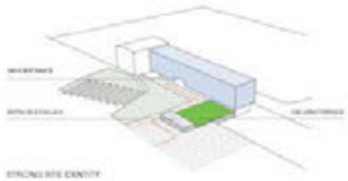
INTERNATIONAL NETWORK

URBAN & LANDSCAPE ENVIRONMENTS

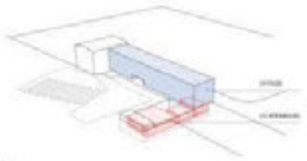
DUALITY & TRANSPARENCY



PROGRAM OVERVIEW - LONGITUDINAL SECTION



STRONG SITE IDENTITY



FUNCTIONS

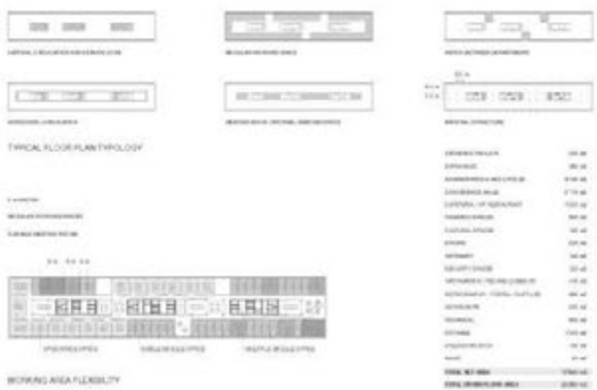
TRANSVERSE SECTION | 1/200

SOUTH-EAST ELEVATION - RUE DE VAREMBÉ | 1/200

MAIN ENTRANCE

CONFERENCE AREA

MODULAR WORKING SPACES

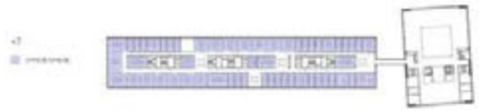


TYPICAL FLOOR PLAN TYPOLOGY

WORKING AREA FLEXIBILITY

TYPICAL FLOOR PLAN - OFFICES SPACES | 1/200

NORTH-WEST ELEVATION - AVENUE GIUSEPPE MOTTA | 1/200



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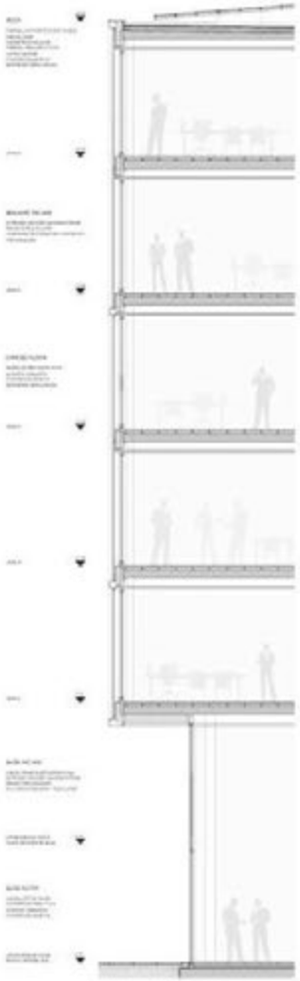
MOON-024

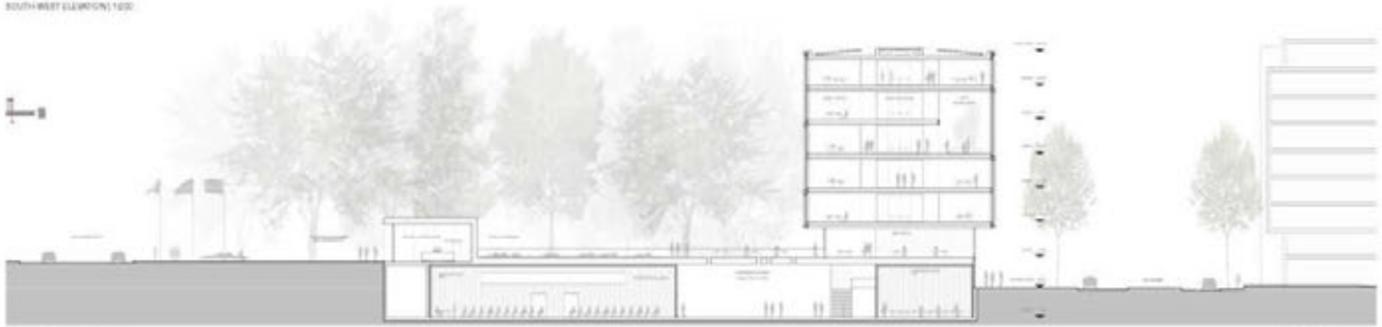
ENTRANCE PAVILION | AVENUE GIUSEPPE MOTTA

FACADE ELEVATION | 1/50



FACADE SECTION | 1/50

SOUTH-WEST ELEVATION | 1/200



TRANSVERSE SECTION | 1/200

ROSETTA

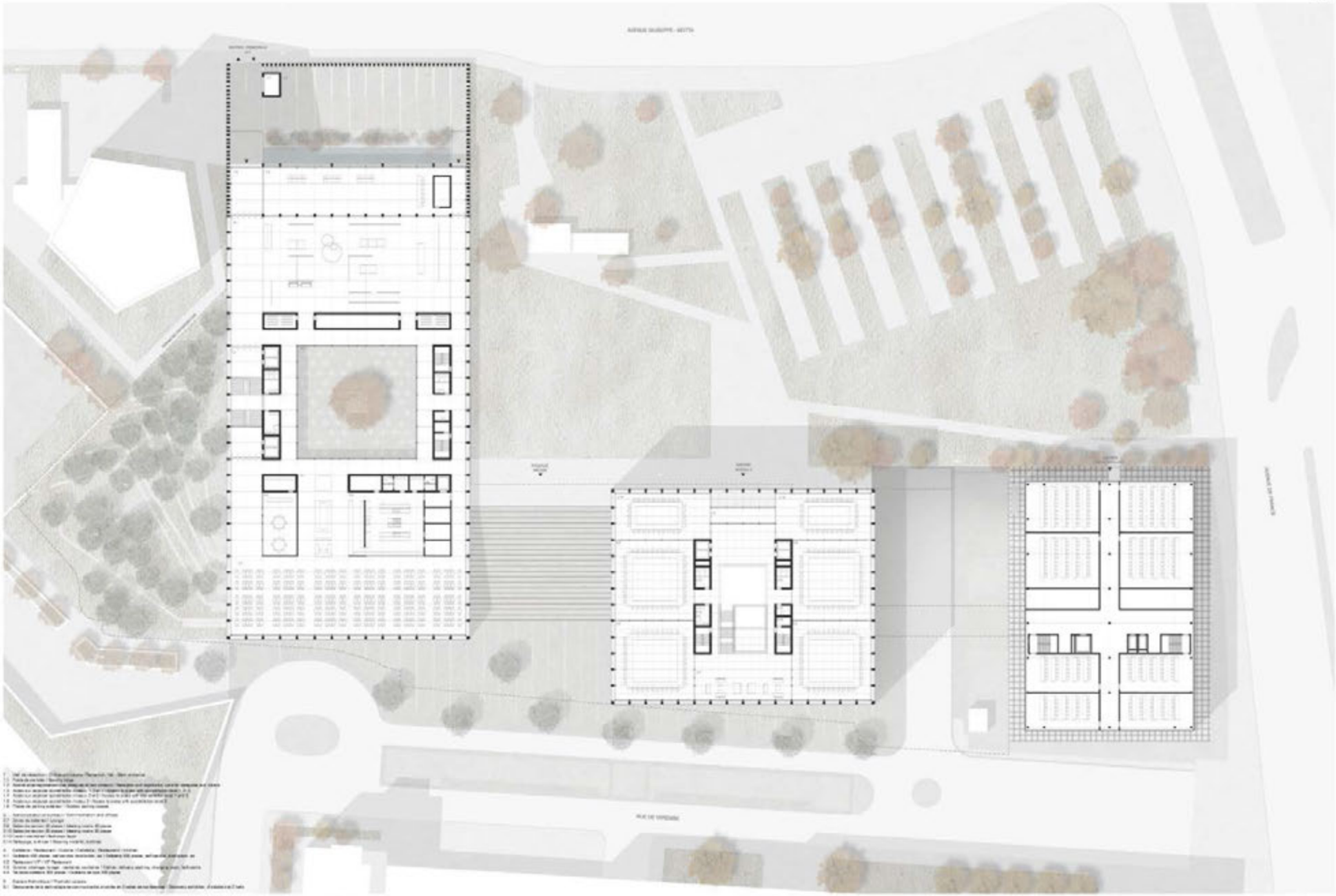
Office :
collinfontaine architectes
Meyer architecte fas sia
Rue des Ronzades 3
1227 Les Acacias
Suisse

Author(s) :
Didier Collin
Blaise Fontaine
Philippe Meyer

Associate(s) :
Nicole Samantha
Sébastien Rouge
Nelson Taisne
Clara Ansselin
Giulia Chiti
Jérôme Mallon
Maria Puche

CONCOURS NOUVEAU BATIMENT - UIT GENEVE I COMPETITION NEW BUILDING - ITU GENEVA

ROSETTA



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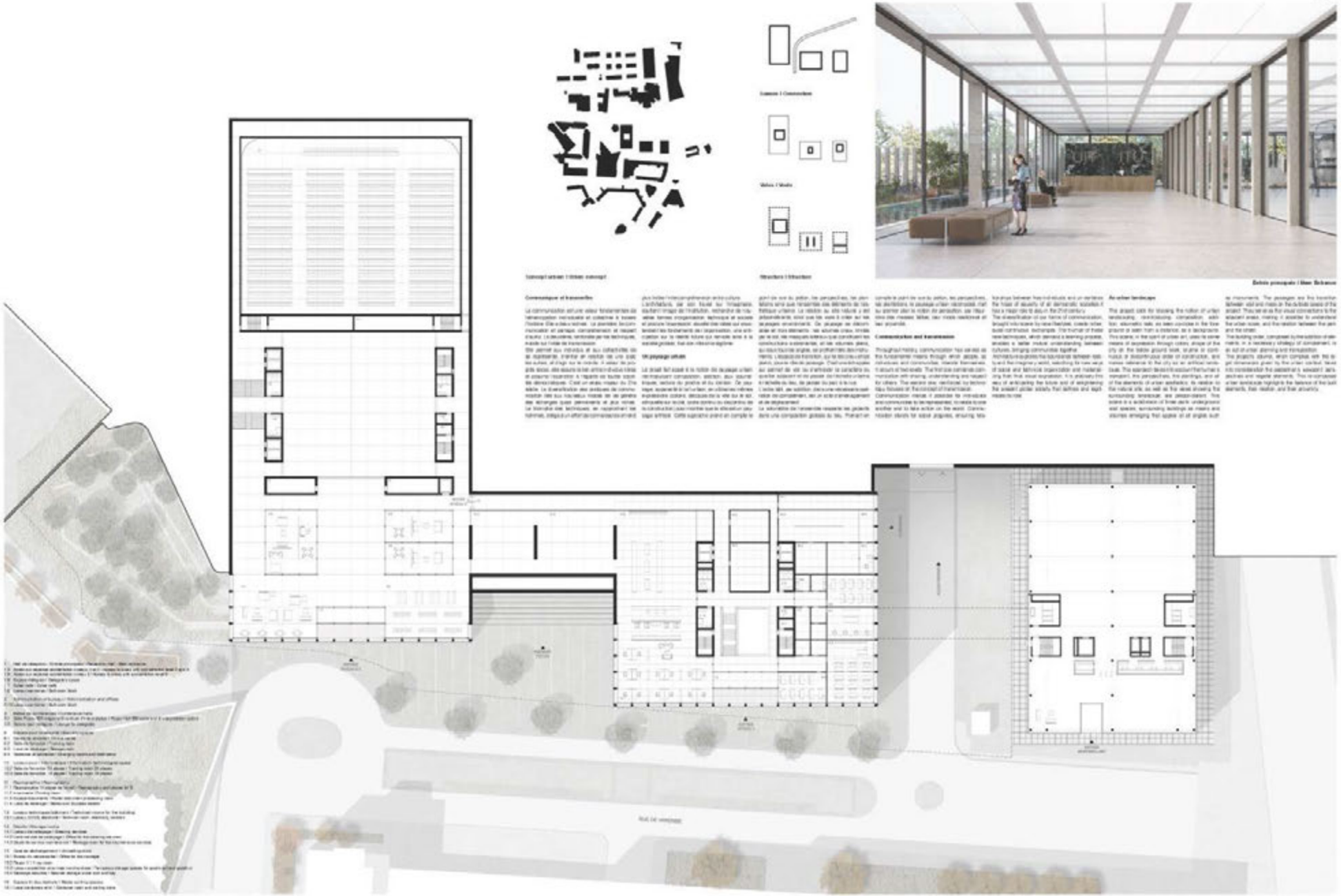
ROSETTA



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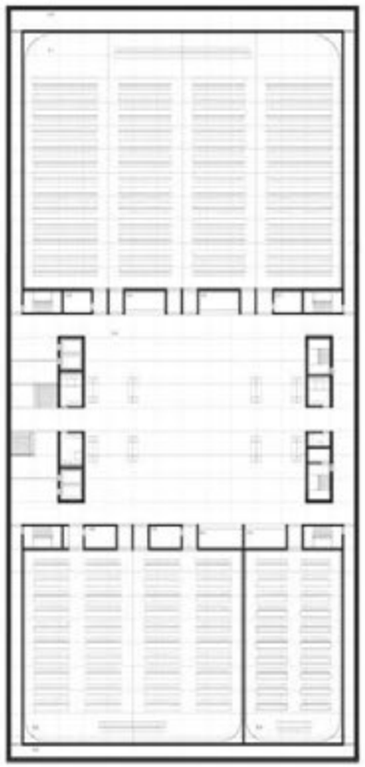
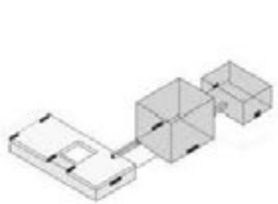
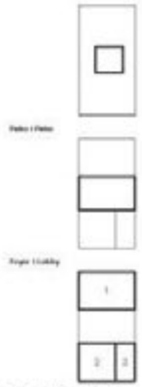
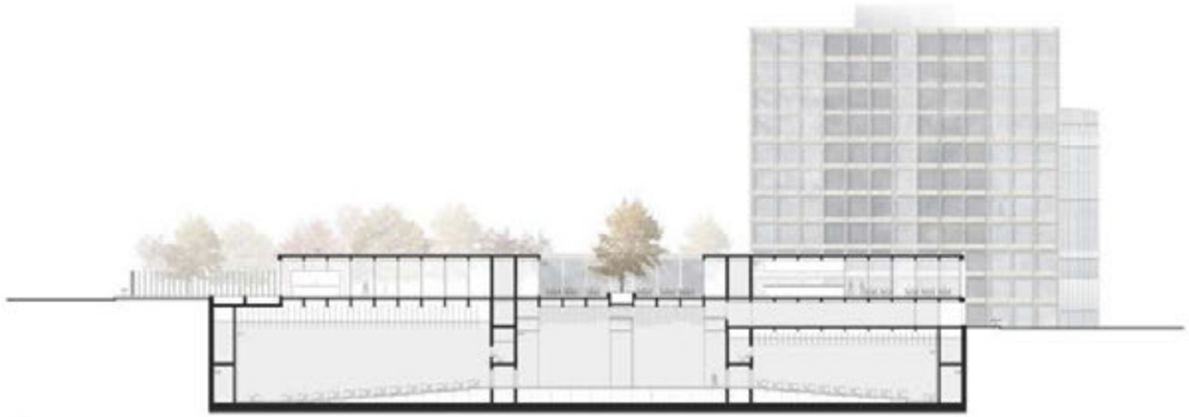
ROSETTA







Rue du parc / Park view



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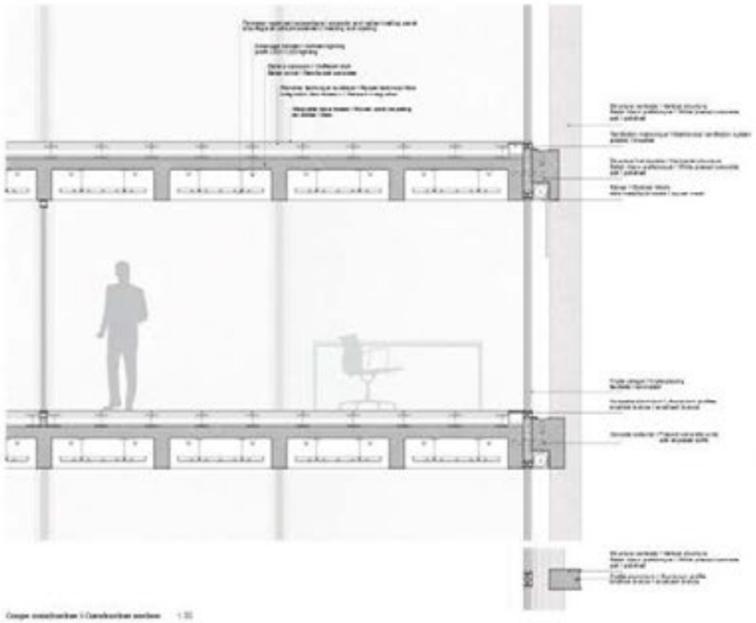
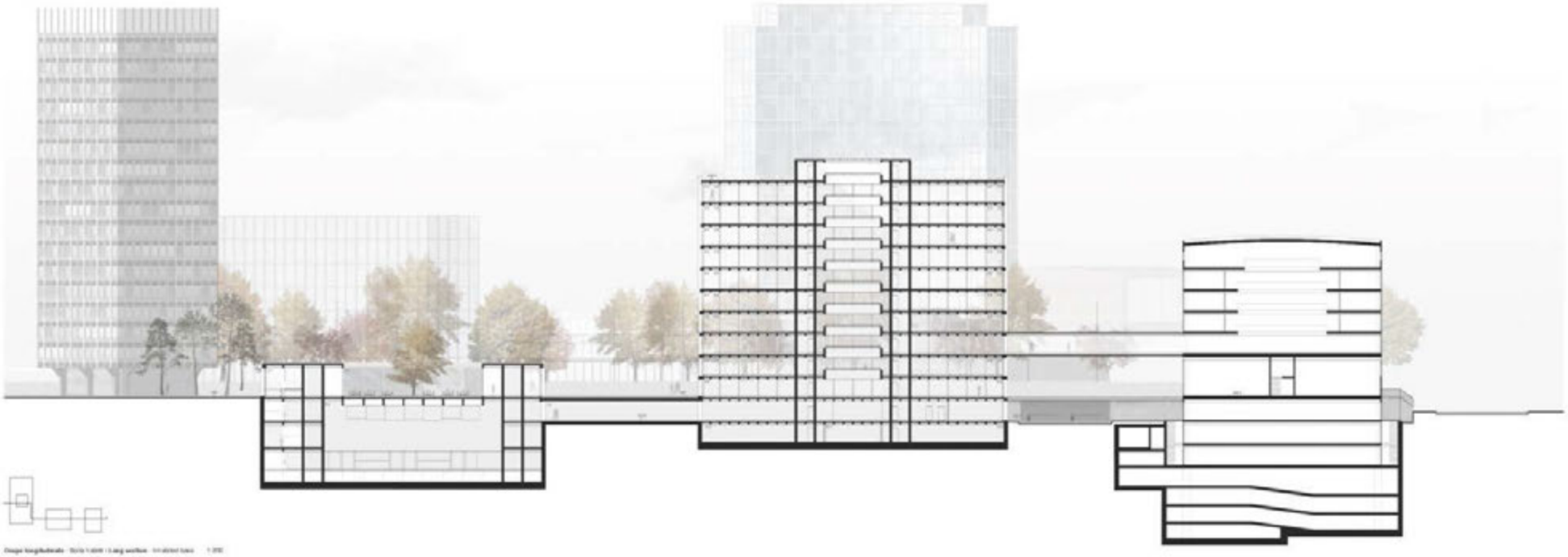
ROSETTA



Entrée, rue du Varembé / Entrance Varembé Street



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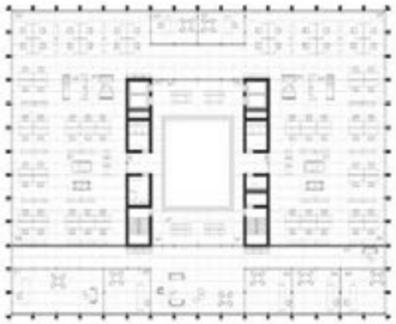
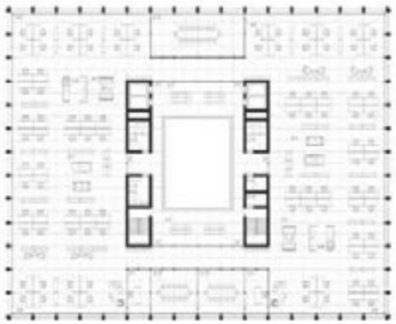
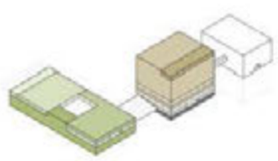
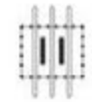
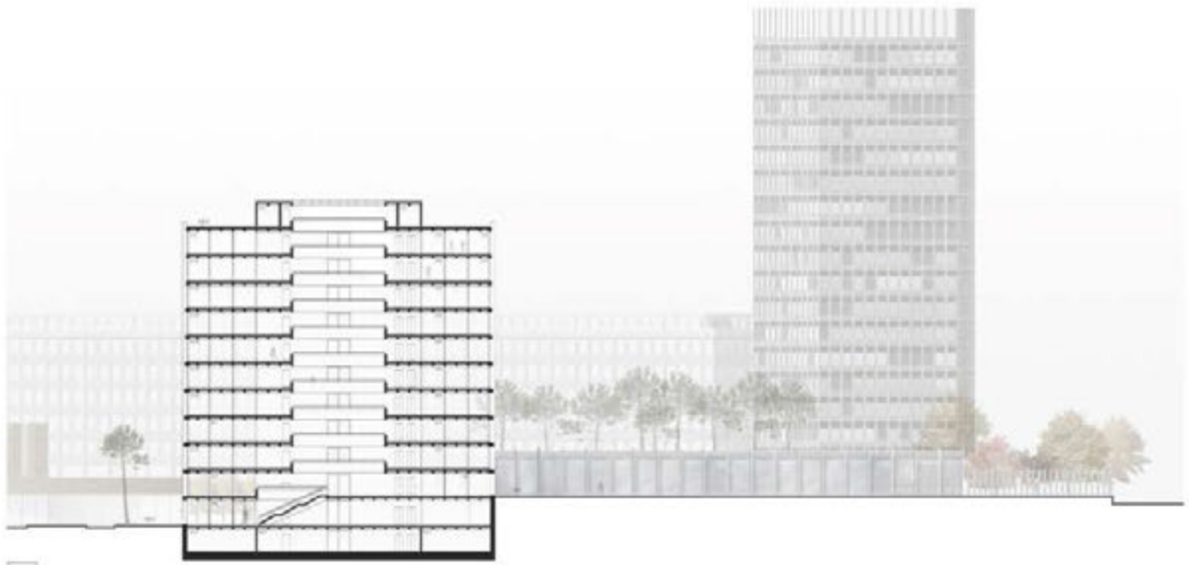
ROSETTA











THE GARDENS,

Office :
Blue Architects AG
Christian Salewski &
Simon Kretz
Architekten GmbH
Wasserwerkstrasse 129
80374 Zurich
Suisse

Author(s) :
Blue Architects AG
Christian Salewski &
Simon Kretz
Architekten GmbH

Associate(s) :
Thomas Hildebrand
Simon Würgler
Takuma Takada
Sarah Lechner
Isabelle Schulz
Carla Ferrer
Kosaku Matsumoto
Hagar Al Lahama

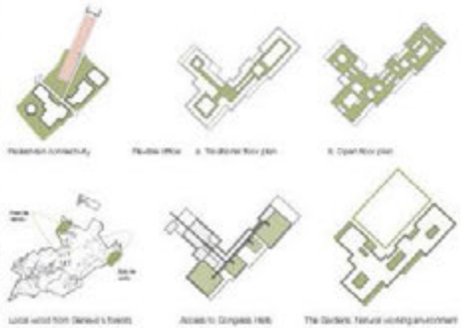
Christian Salewski
Lukas Fink
Fareyah Kaukab
Clara Pollak
Primin Jung Ingenieure AG :
Andreas Zweifel
Studio Vulcan
Landschaftsarchitekture GmbH :
Robin Winogrond

CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENEVE

THE GARDENS – A communication environment

Urban ensemble

Situation 1:2000



Pedestrian connectivity | Flexible office | a. Traditional floor plan | b. Open floor plan

Local wood from Geneva's forests | Access to Congress Halls | The Gardens: Natural working environment

SECTION AA, 1:200

The Human Scale of Communication

The low-rise, green building stands as a symbol for the human scale of communication that lies at the heart of the International Telecommunication Union; a robust and flexible landscape of collaboration, allowing for the institution to constantly evolve. As the new headquarter of the ITU, it marks the far end of the urban axis to Palais des Nations. The Gardens frames the park and forms an urban ensemble with the Montbrillant Building and the tower. A new pedestrian connection to Rue de Varembé connects the neighbourhood with Place des Nations.

A Collaborative Environment

The Gardens provide a contemporary, transparent, and healthy working environment with constant visual and physical contact to nature. Light and air flow through atriums and courtyards, balconies and terraces open onto the park. The Gardens is a collaborative work environment that opens up and interweaves formerly separated functional areas such as the cafeteria, the library, or the gym into a horizontal landscape on only two floors. Meetings and desk time, coffee and food, work-out and recuperation all become part of the daily working experience. The Gardens fosters incidental meetings and spontaneous interaction – situations that are crucial for contemporary knowledge-intensive workplaces because they are known to improve communication and spark innovation.

A Natural Building

The serene wooden load-bearing system structures the building. Natural building materials complement a healthy, all-senses work environment. A truss frame over two floors is all it needs for a 25 meter free span on the conference level. The main structure is green and flexible and offers great ease of movement both horizontally and vertically. The Gardens can accommodate an open floor plan, a traditionally zoned office, or any combination therein.
Simple yet refined in its materiality, The Gardens conveys its discreet elegance through horizontal railings, shifting and stepping layers, its delicate glass façade, and the generous main entrance on Avenue Giuseppe Motta.

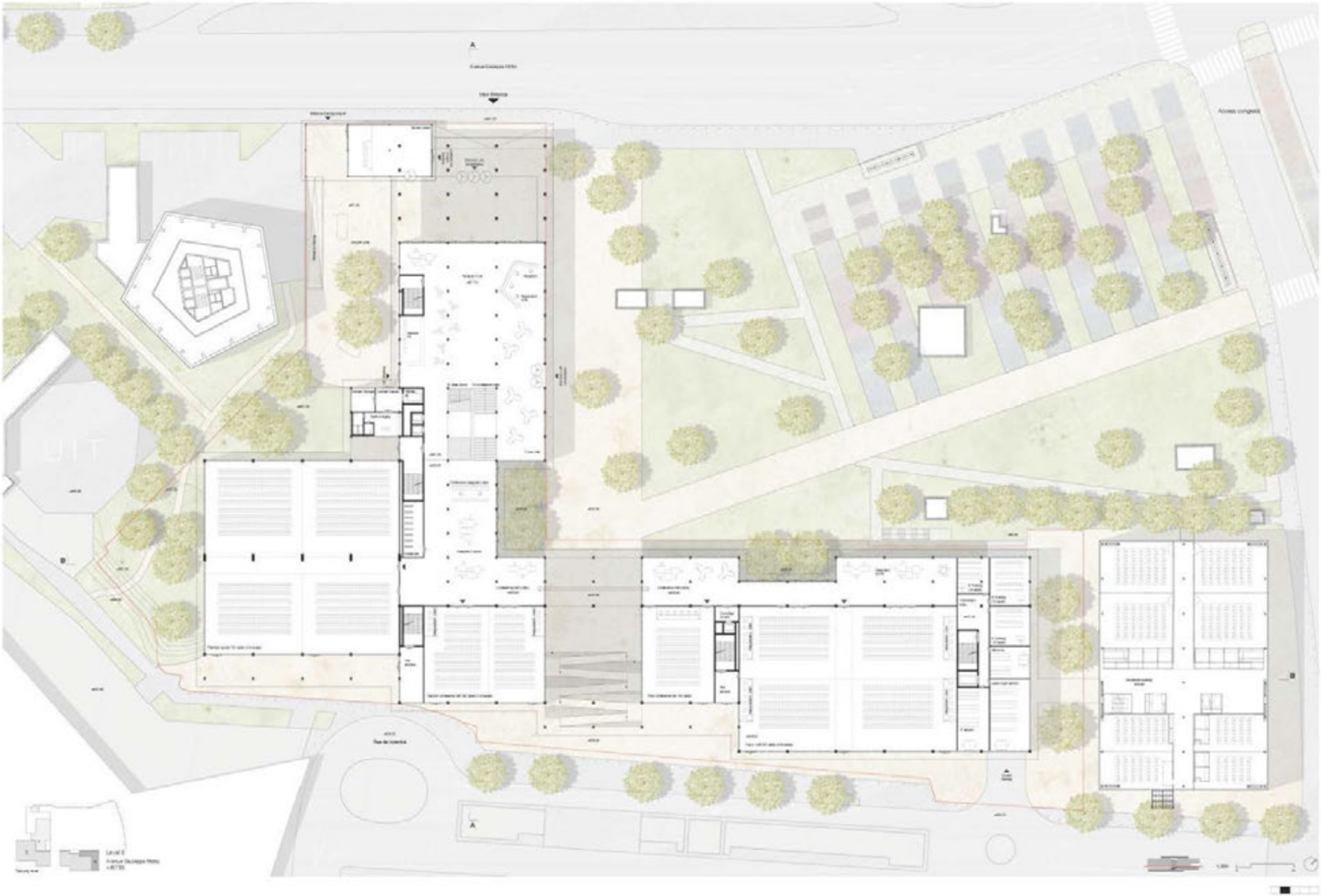
A Sustainable and Flexible Structure

The wood for the timber construction is sourced in the forests around Geneva and laminated by firms located in the region.
The primary structure made of wooden pillars and double beams are placed on a grid of 8.4 meters. It allows for great flexibility in how space is used and divided, since all partition walls are without load bearing capacities. The 8.4m structure is based on 1.4m units, which can accommodate all office types and sizes required by the program.
A two-storey timber framing system – on level 1 and 2 – spans the distance of 16 and 25 meters allowing for the trussless conference halls below.

View from the terrace on the second floor
The low-rise, green building stands as a symbol for the human scale of communication that lies at the heart of the International Telecommunication Union. The generous main entrance opens onto Avenue Giuseppe Motta.

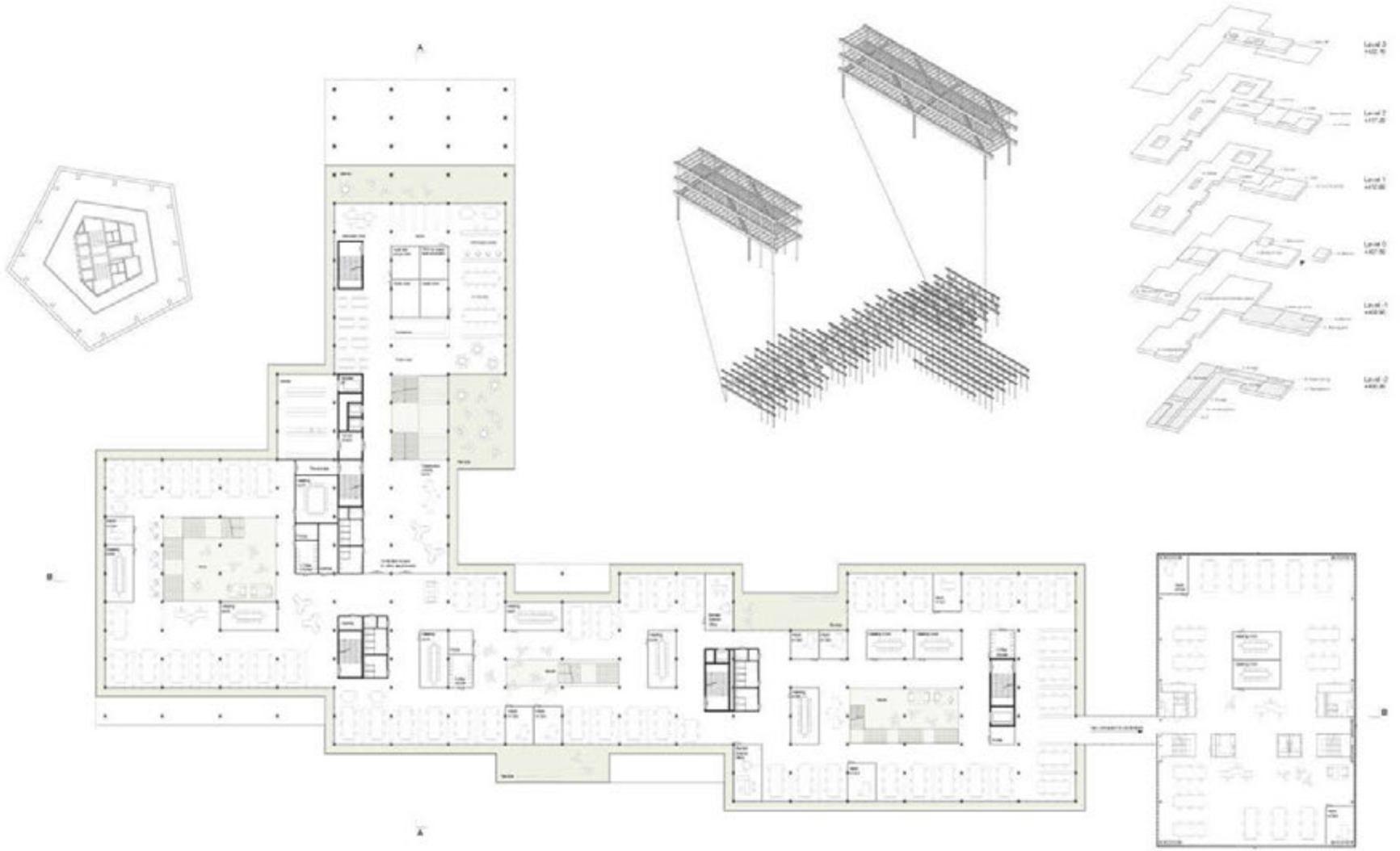
CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENEVE

THE GARDENS – A communication environment



CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENEVE

THE GARDENS – A communication environment

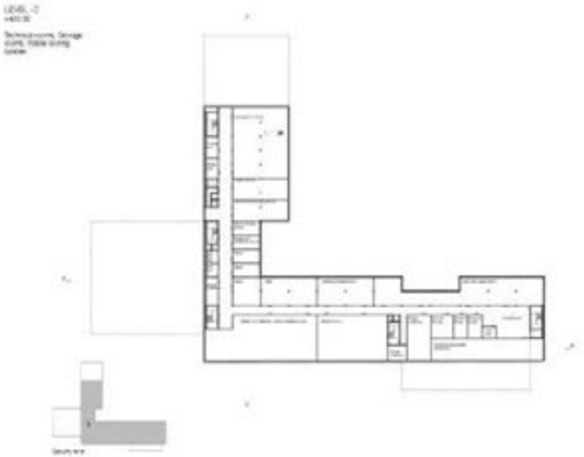


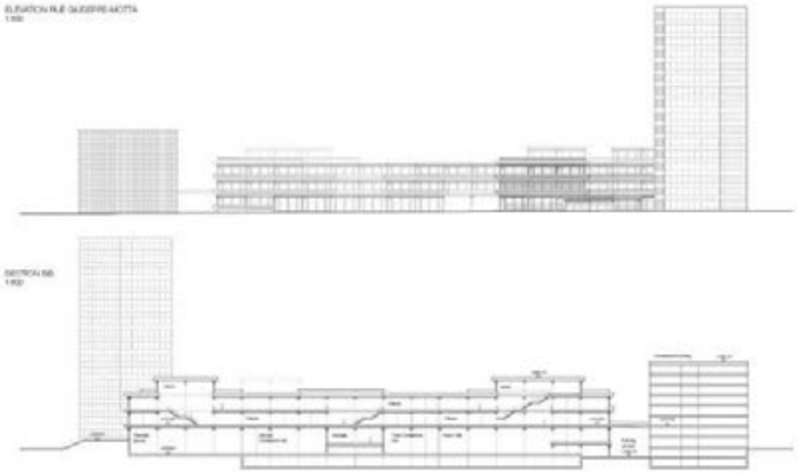
CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENEVE

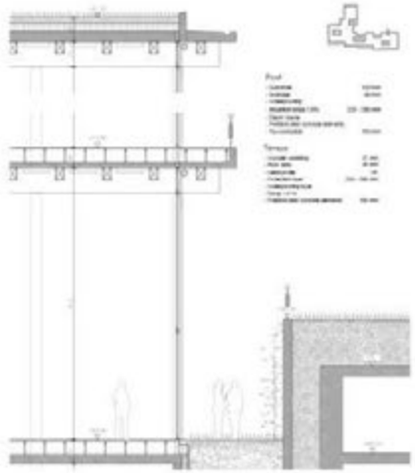
THE GARDENS – A communication environment

CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENEVE

THE GARDENS – A communication environment







View from Rue de Varembé
Simple yet refined in its materiality, The Gardens conveys its discreet elegance through horizontal railings, shifting and stepping layers, and its delicate glass façade. A new passage connects the neighbourhood with Place des Nations.

THE LINK

(1)

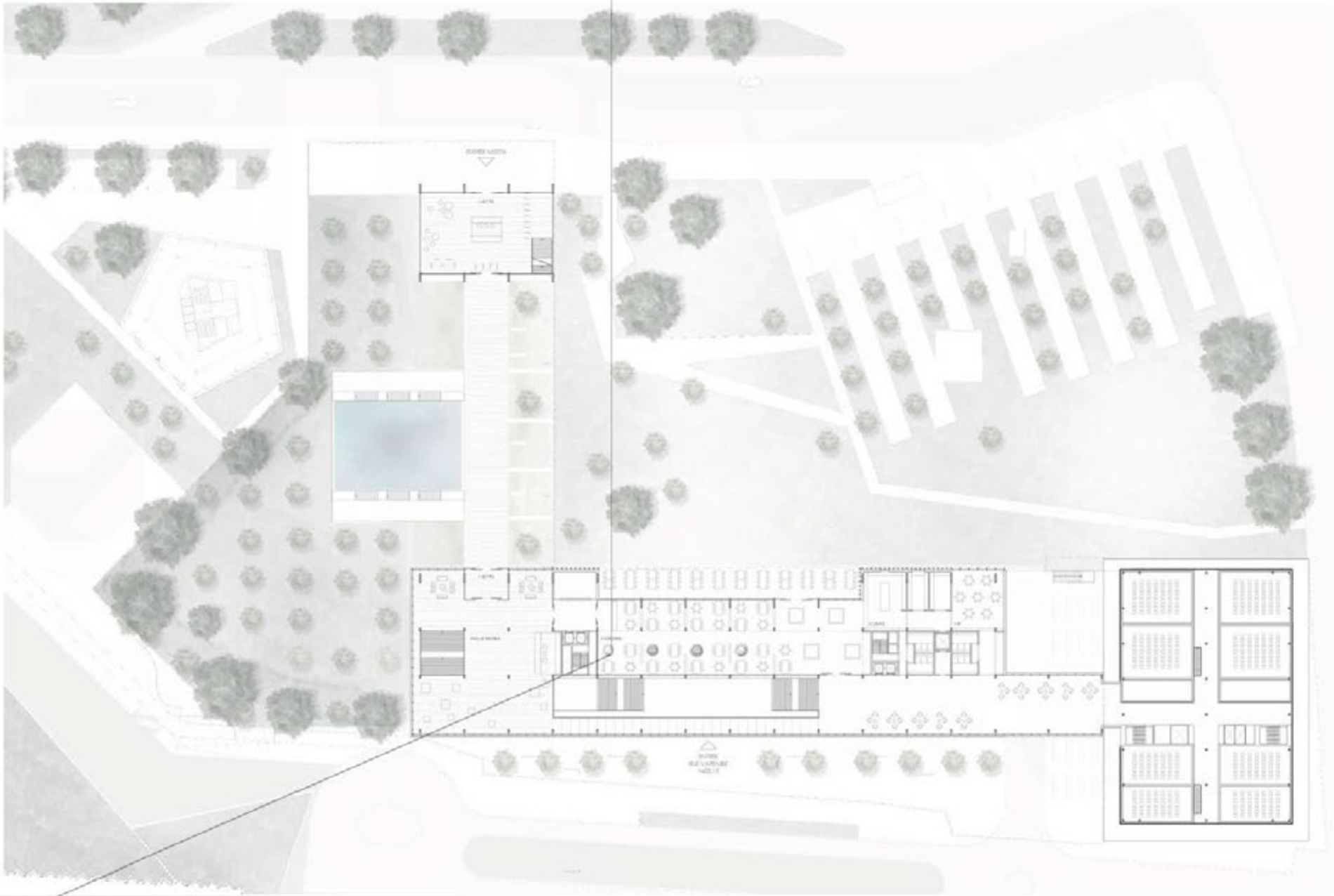
Office :
Kubota & Bachmann Architects
Josefstrasse 192
8048 Zurich
Suisse

Author(s) :
Kubota & Bachmann Architects
Toshihiro Kubota

Associate(s) :
Toshihiro Kubota
Fracisco Martinez
Yves Bachamnn
Marietta Sanderink

CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENEVE

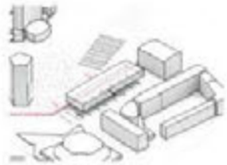
THE LINK



PLAN DE SITE SUPERIEUR - AV. Giuseppe MOTTA 1/200

CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENEVE

THE LINK



PLAN REZ INTERIEUR - RUE DE VAREMBE 1/200

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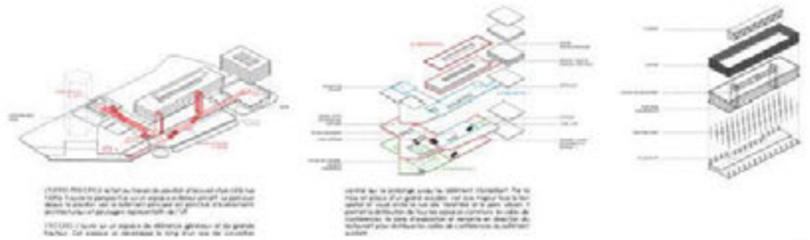
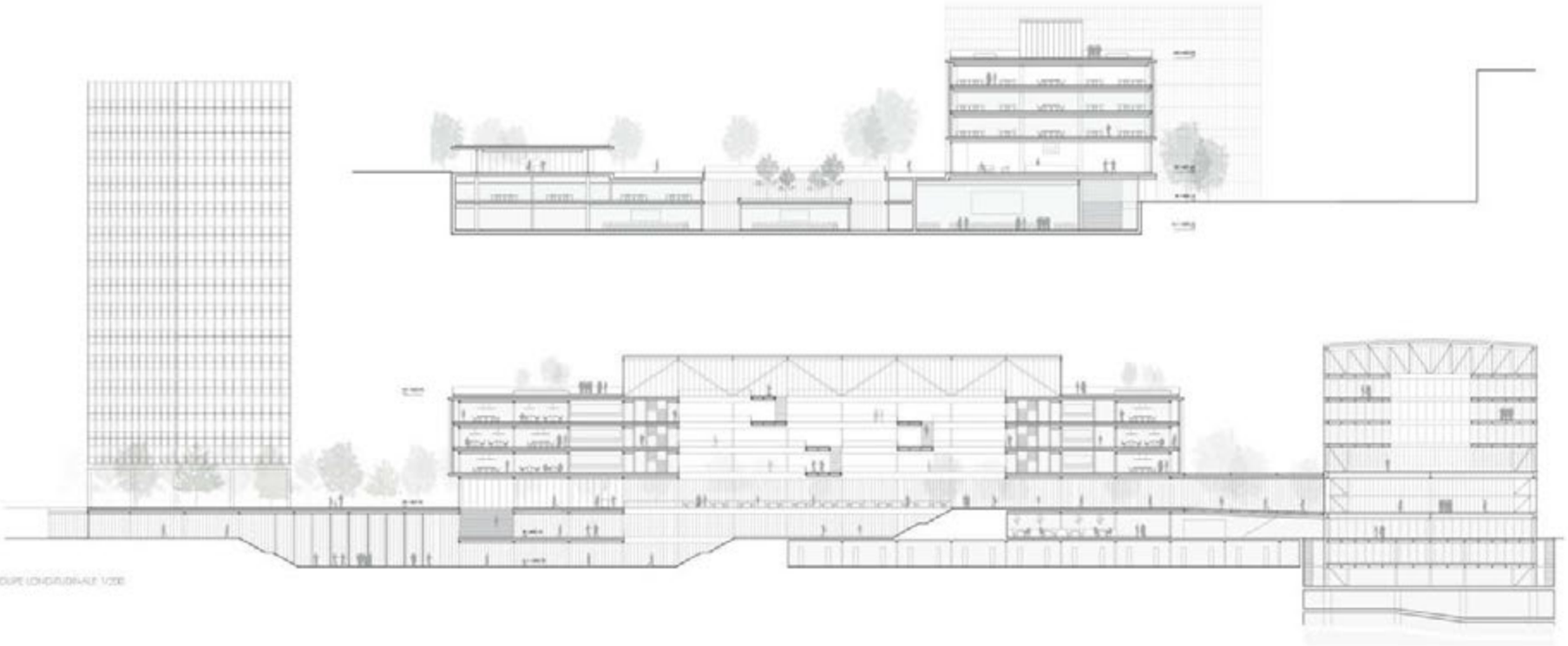
THE LINK

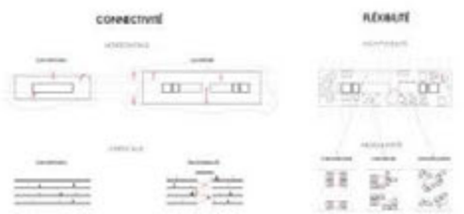


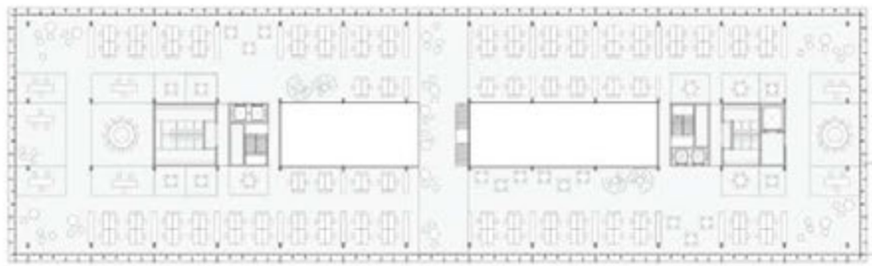
CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENEVE

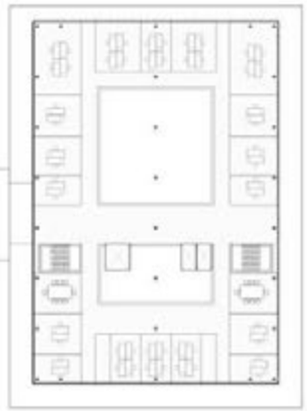
THE LINK

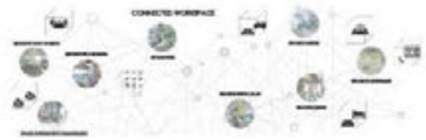


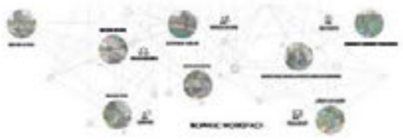
COUPE LONGITUDINALE 1/200





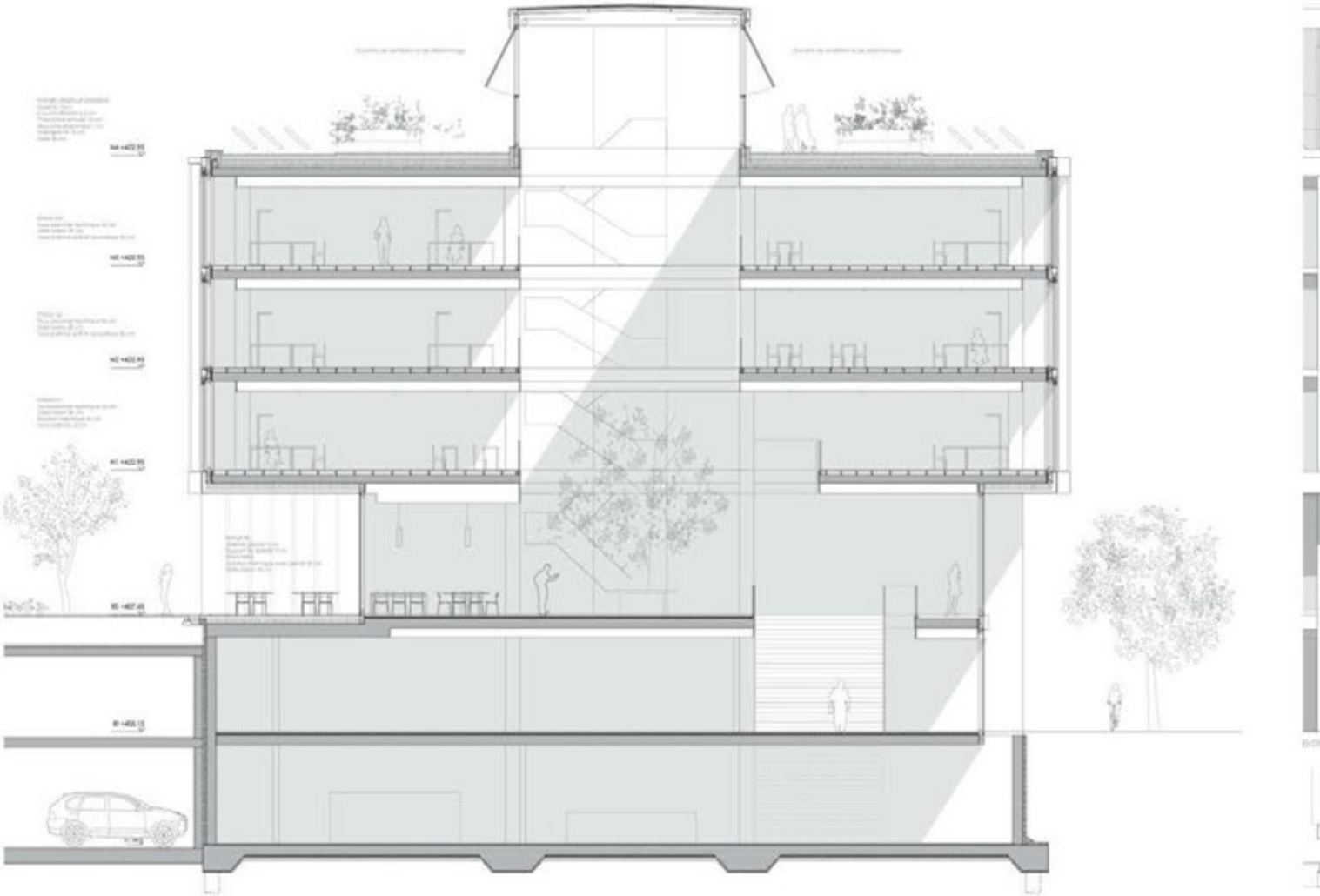




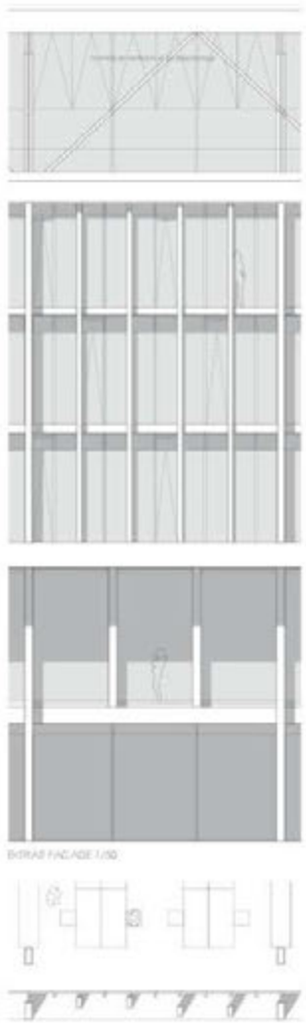


CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENEVE

THE LINK



COUPE TRANSVERSALE 1/50



EXTRAIT FACADE 1/50

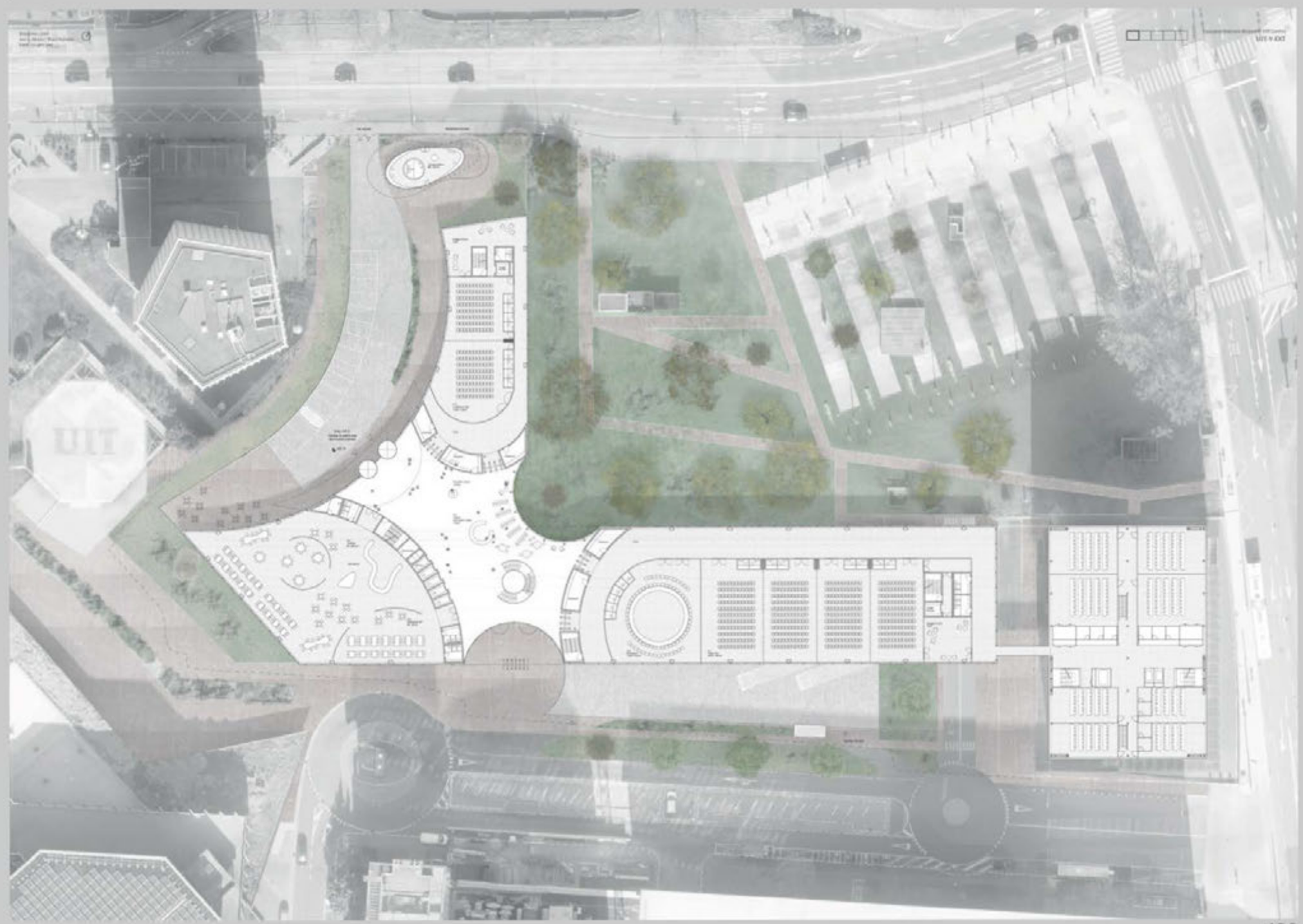
EXTRAIT PLAN 1/50

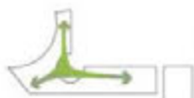
UIT-Y-EXT

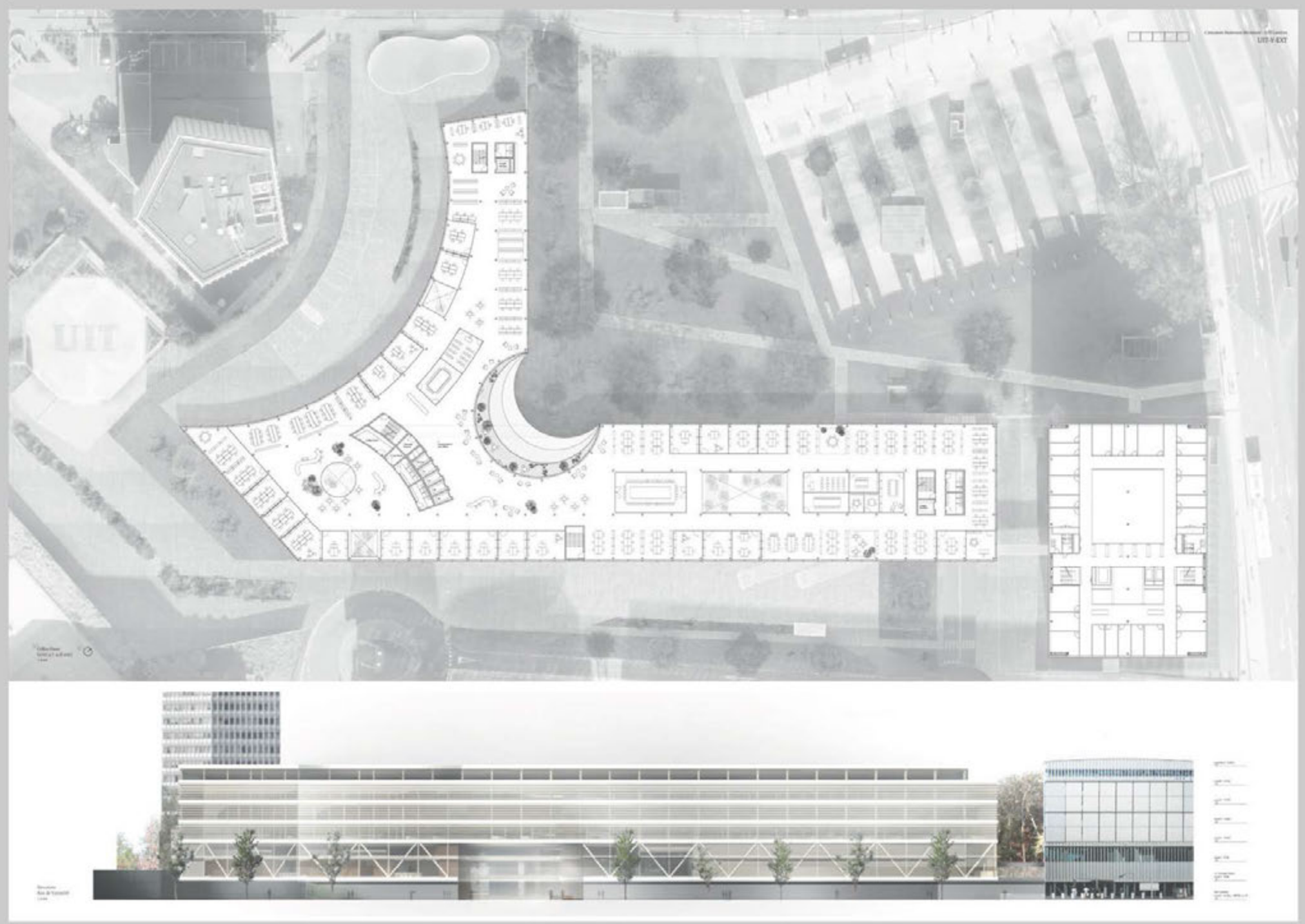
Office :
Scheitlin Syfrig Architekten AG
Libellenrain 17
6004 Lucerne
Suisse

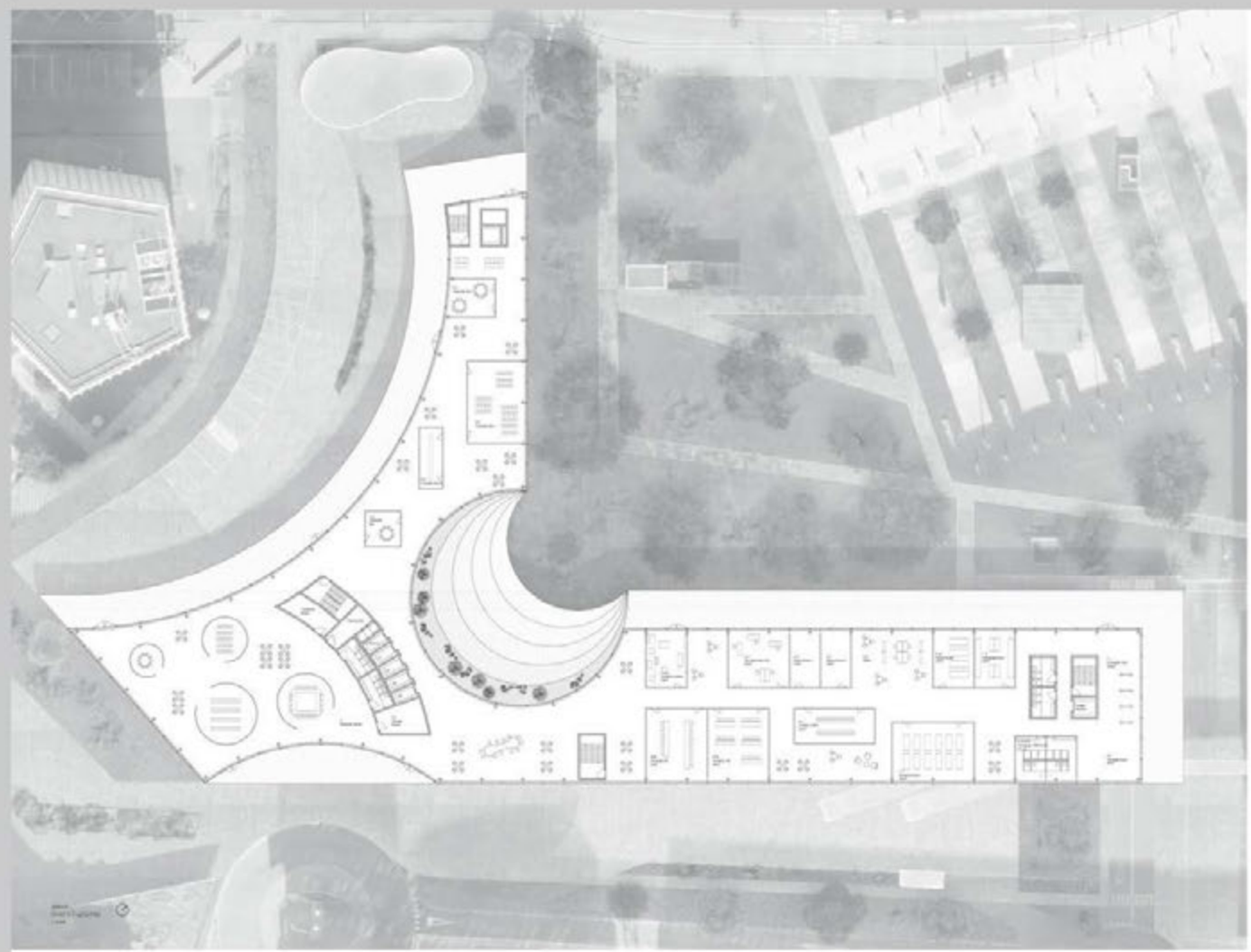
Author(s) :
Mauritius Carlen
François Guillermain
Markus Frank
Frank + Partner Architekten
Barcelona

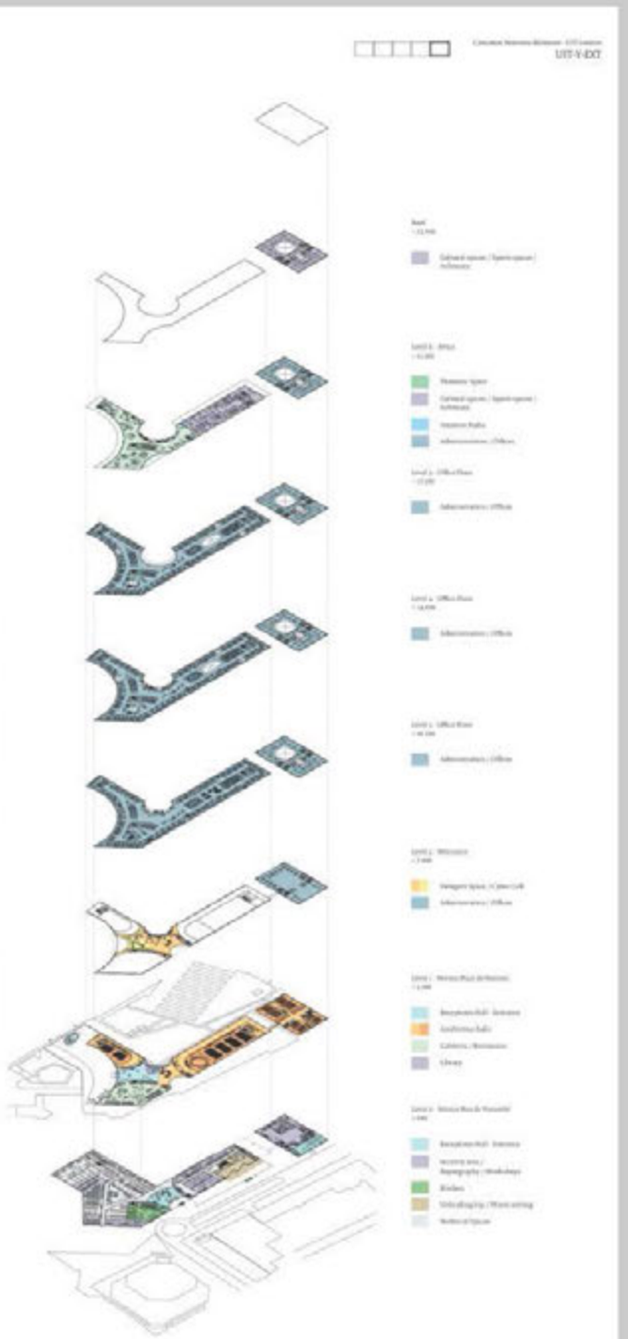
Associate(s) :
Bettina Leitner
Alex Azofra
Marek Chytil
Alvaro Arrans
Markus Frank











Project proposals not selected for consideration under Stage Two

(in alphabetical order)

0110101

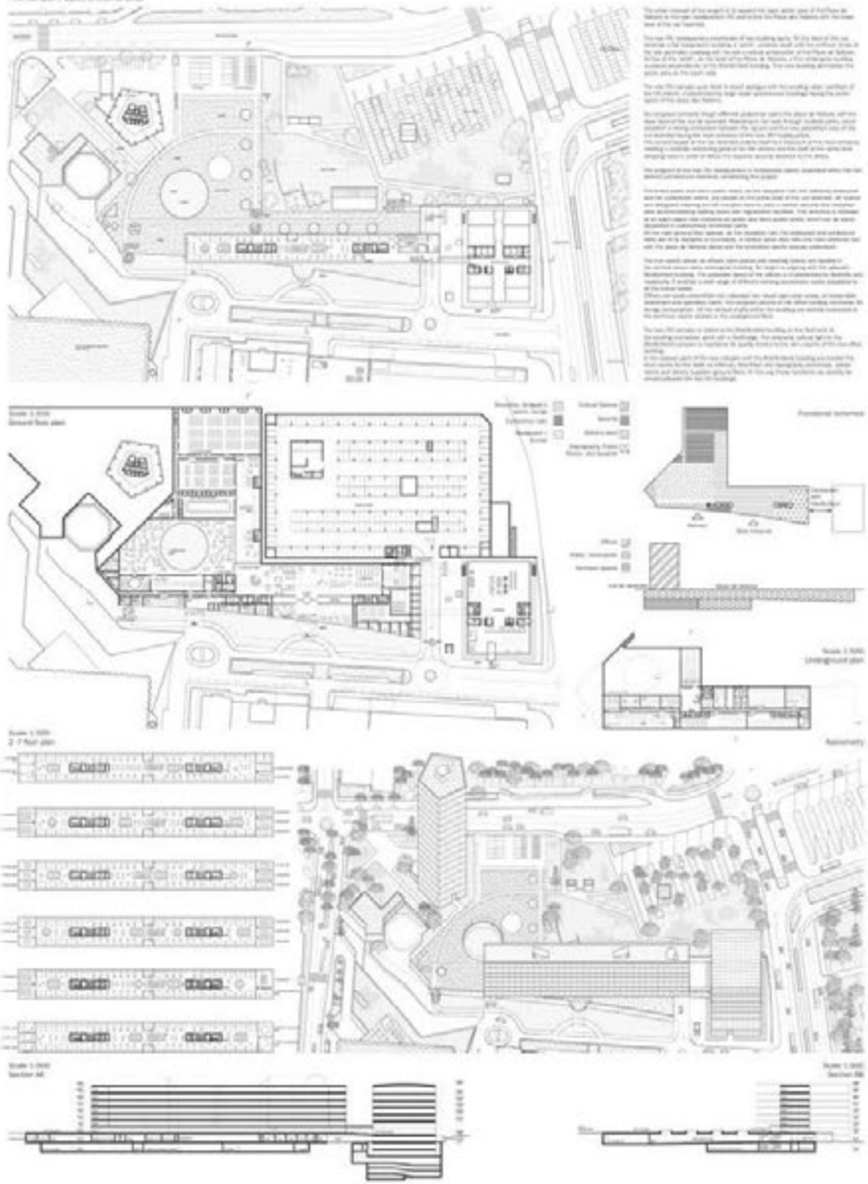
Office :
Matei Manaila Architekten GmbH
Ebenstrasse 9
8045 Zurich
Suisse

Author(s) :
Matei Manaila

Associate(s) :
Francesco Zorzi

CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENÈVE

0110101



1.2.3 FORA

Office :
Rios Clementi Hale Studios
North Larchmont 689
90036 Los Angeles CA
Etats Unis

Author(s) :
Rios Clementi Hale Studios

Associate(s) :

1-2-3 FORA

13571113

Office :
Ler Arquitectura
Calle Puerto 5
Entreplanta A
21003 Huelva
Espagne

Author(s) :
Sergio J. Gomez Melgar
María José Carrasco Conejo
Hernar Herrero Sotanolm

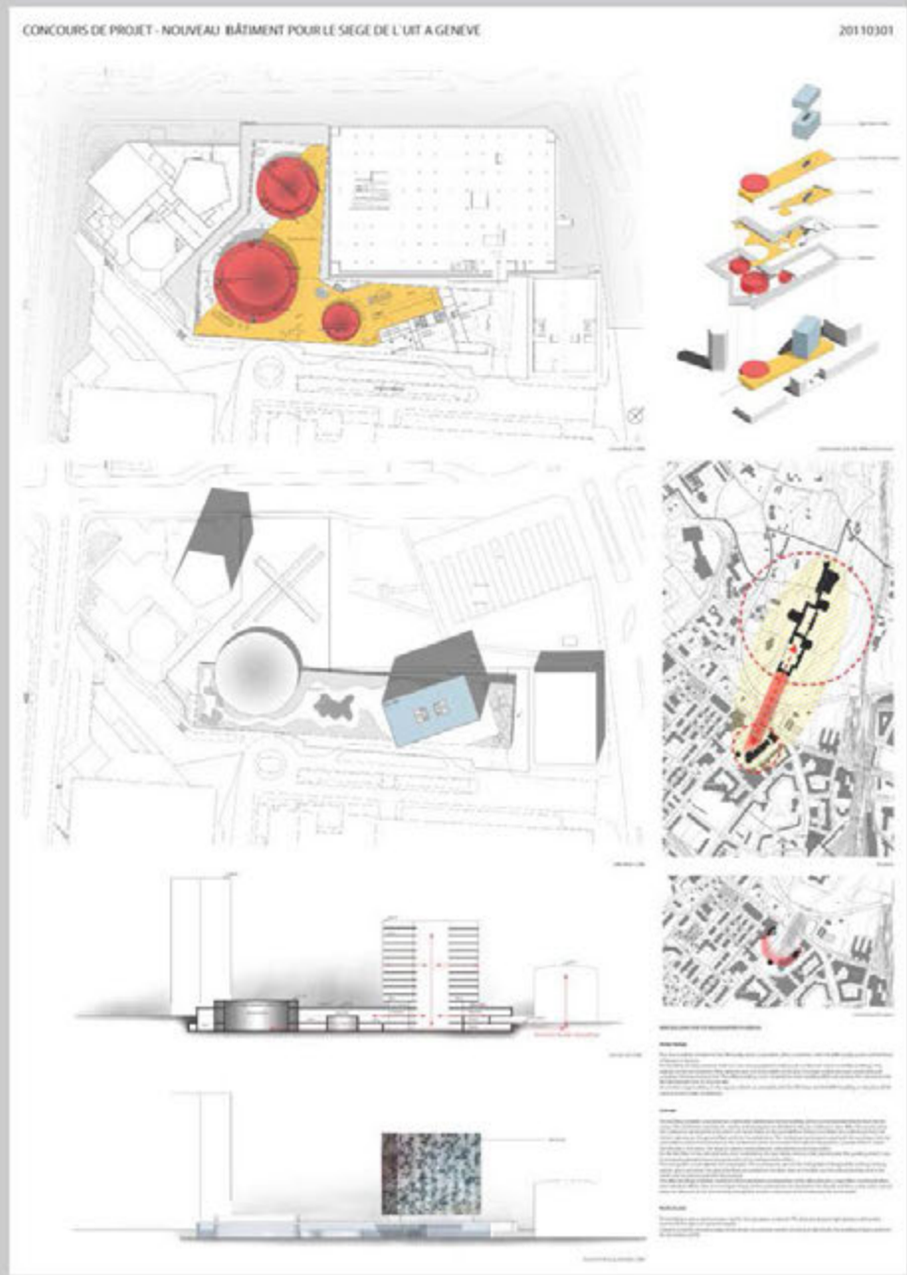
Associate(s) :
Pedro J. Gomez Herrera
Victor Romero Toscano

20110301

Office :
Wiederkehr Krummenacher
Architekten AG
Chamerstrasse 22
6300 Zug
Suisse

Author(s) :
Wolfgang Antosch
Jan Houdek

Associate(s) :

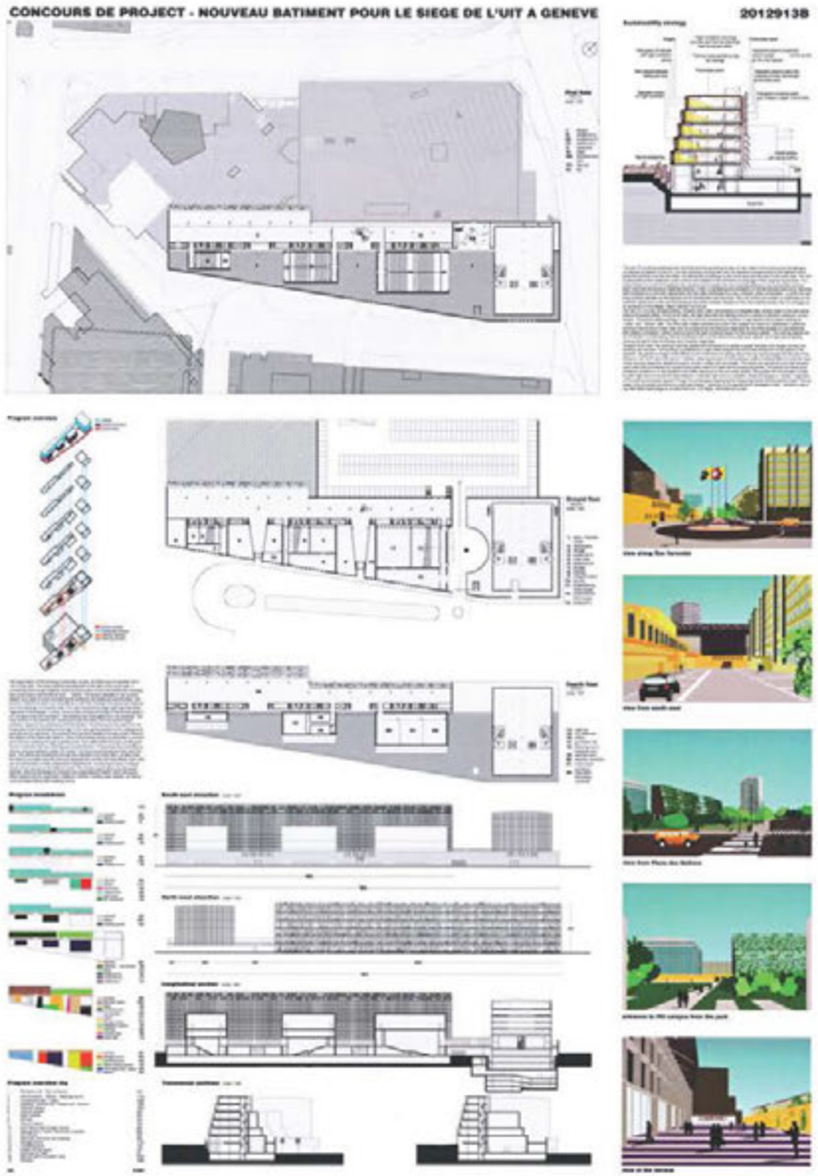


2012913B

Office :
Baukuh
Via A. Stradella 13
20129 Milan
Italia

Author(s) :
Paolo Caputi
Silvia Luci
Vittorio Pizzigoni
Pier Paolo Tamburelli
Giacomo Summa
Andrea Zanderigo

Associate(s) :
Anthony Aebischer
Laura Cambiati
Vincenzo Demasi
Francesca Pagliaro

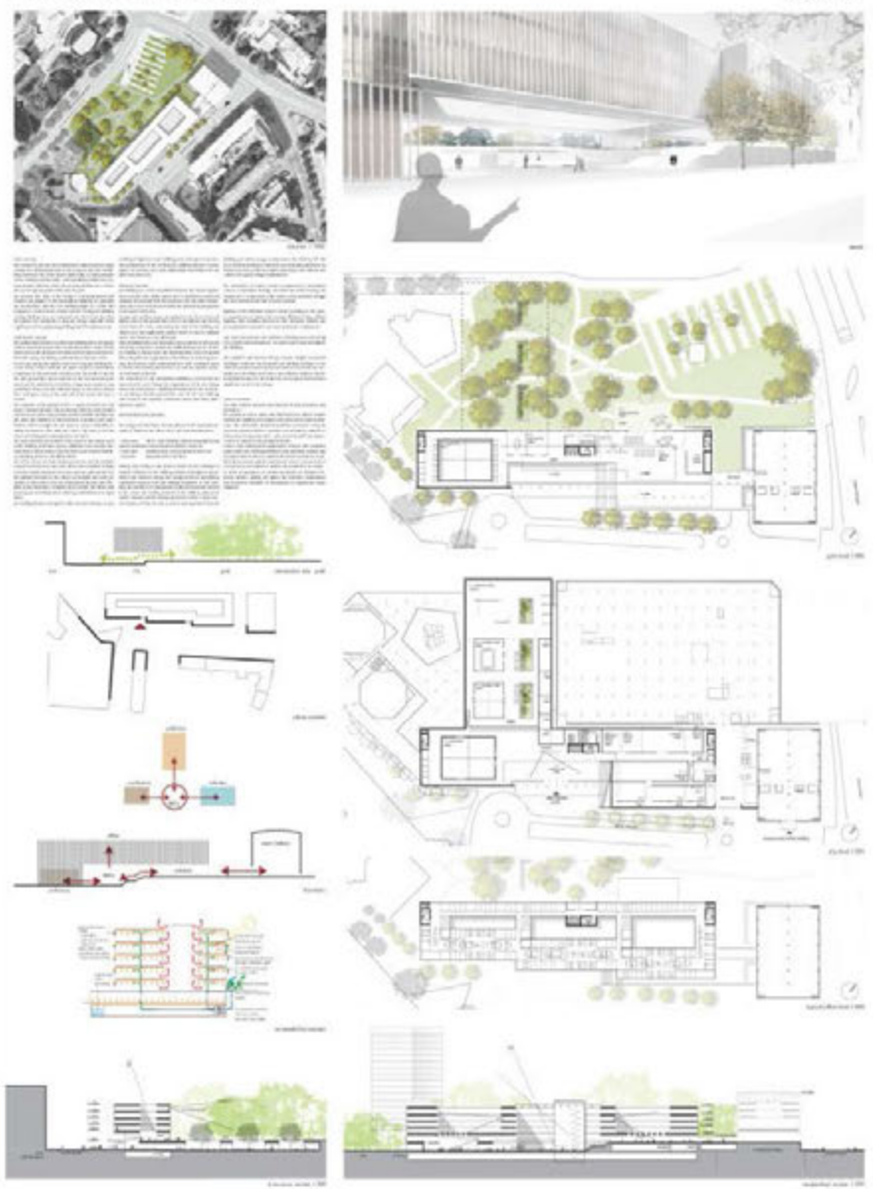


20170608

Office :
Wilhelm Architekten
Zur Lindenhöhe 4
70188 Suttgart
Allemagne

Author(s) :
Leonardo Sasso
Kathrin Hermanns
Lee Daniel Whitelock
Tania Cecilia Cortés Vargas
Christian Oberstock

Associate(s) :
Bobran Ingenieure
Acoustic and Thermal
Consultants



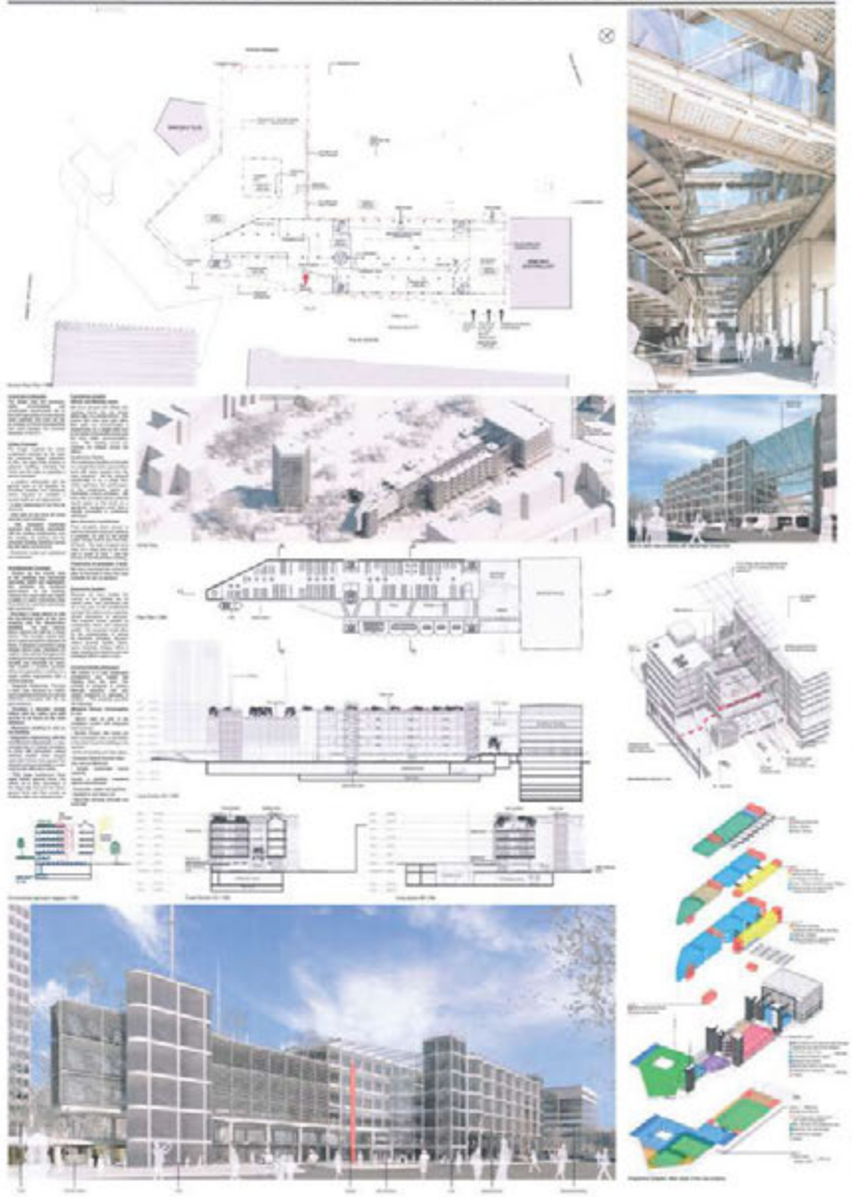
4298370

Office :
Edward Williams Architects
Newcombe House
Notting Hill Gate 45
W11 3LQ Londres
Royaume-Uni

Author(s) :
Edward Marshall Williams

Associate(s) :
Dino Merlo
Pablo Fernandez Villoch
Anoovab Deka
Andrius Rilkauskas
Victoria Thong

CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SEIGE DE L'UIT A GENEVE 4298370



5PLATFORMS

Office :
Serie Architects
Unit 2P Leroy House
N1 3QP Londres
Royaume-Uni

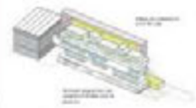
Author(s) :
Serie Architects
Christopher Lee
Simon Whittle
Bolam Lee
Martin Jameson
Jeramie Ng
Kevin Fu

Associate(s) :

CONCOURS NOUVEAU BÂTIMENT - UIT GENÈVE 5PLATFORMS

The building is a platform for a technology institution that will be attracted by and be a beacon for continual change. It provides an open structure that can be adapted and re-purposed as new technologies and demands arise. It gives ITU a spatial framework that promotes openness and collaboration.

The scheme has three components: the platforms, the slab and the connective spine. Five large platforms hold all the shared facilities. These are generous spaces, with open garden terraces and assembly spaces. The shared facilities are housed in lightweight structures and are intended to be easily modified when required.



The slab contains all the office areas. This long, thin, clear space is the optimum width of 9m to ensure natural light for all desks and allows for efficient and flexible workspace configurations.

The spine connects all the floors directly to the Mandatorium building and to each other. It contains all the vertical and diagonal circulation routes. It also creates a generous void space in the centre of the building creating liberal connections and also providing natural ventilation and daylight.

Environmental Strategies

- External shading on southern facades to cut down solar glare and radiation
- Photo voltaic cells on all roofs are used to generate electricity
- Double skin facade is used in public areas to allow two levels of comfort and reduce heating costs
- Ground source heat pumps can be used for under floor passive heating systems
- Internal atrium and double height spaces allows for stack effect and better natural ventilation

9392907573

Office :
2A+P/A Associates
via della Mamana 94
00181 Rome
Italia

Author(s) :
Matteo Costanzo
Gianfranco Bombaci

Associate(s) :
Alessandro Sciaidone
Leon Steffen
Marion Dubreuil

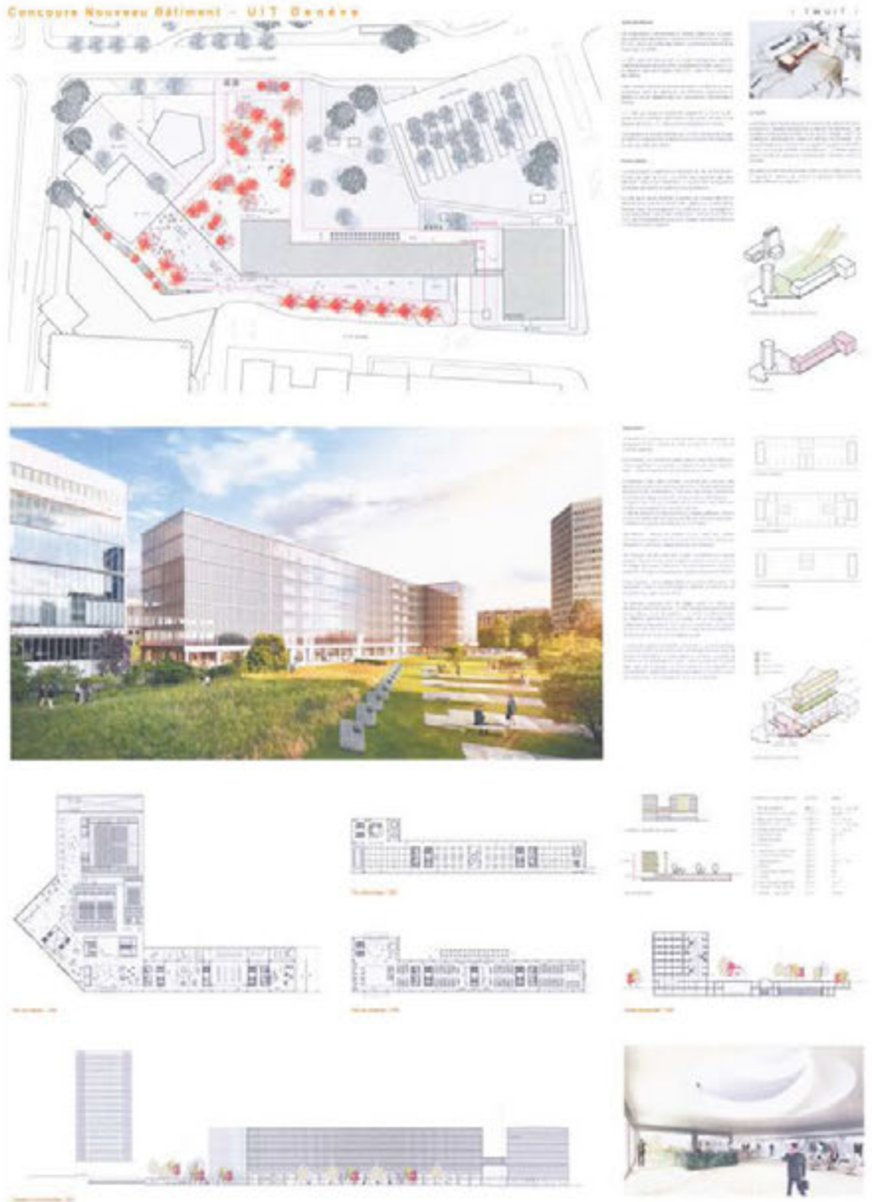
CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIÈGE DE L'UIT À GENÈVE 9392907573

! TWUIT !

Office :
Burckhardt + Partner SA
Rue du Port-Franc 17
1002 Lausanne
Suisse

Author(s) :
Nicolas Vaucher

Associate(s) :
Alexandra Saringer
Joaquin Fernandez
Miguel Coutinho



.MOLNIA

Office :
Gandolfi Gilardin Architectes
Fabien Cerutti Architecte
Route des Acacias 43
1227 Genève
Suisse

Author(s) :
Matteo Gandolfi
Irma Cilactan
Fabien Cerutti

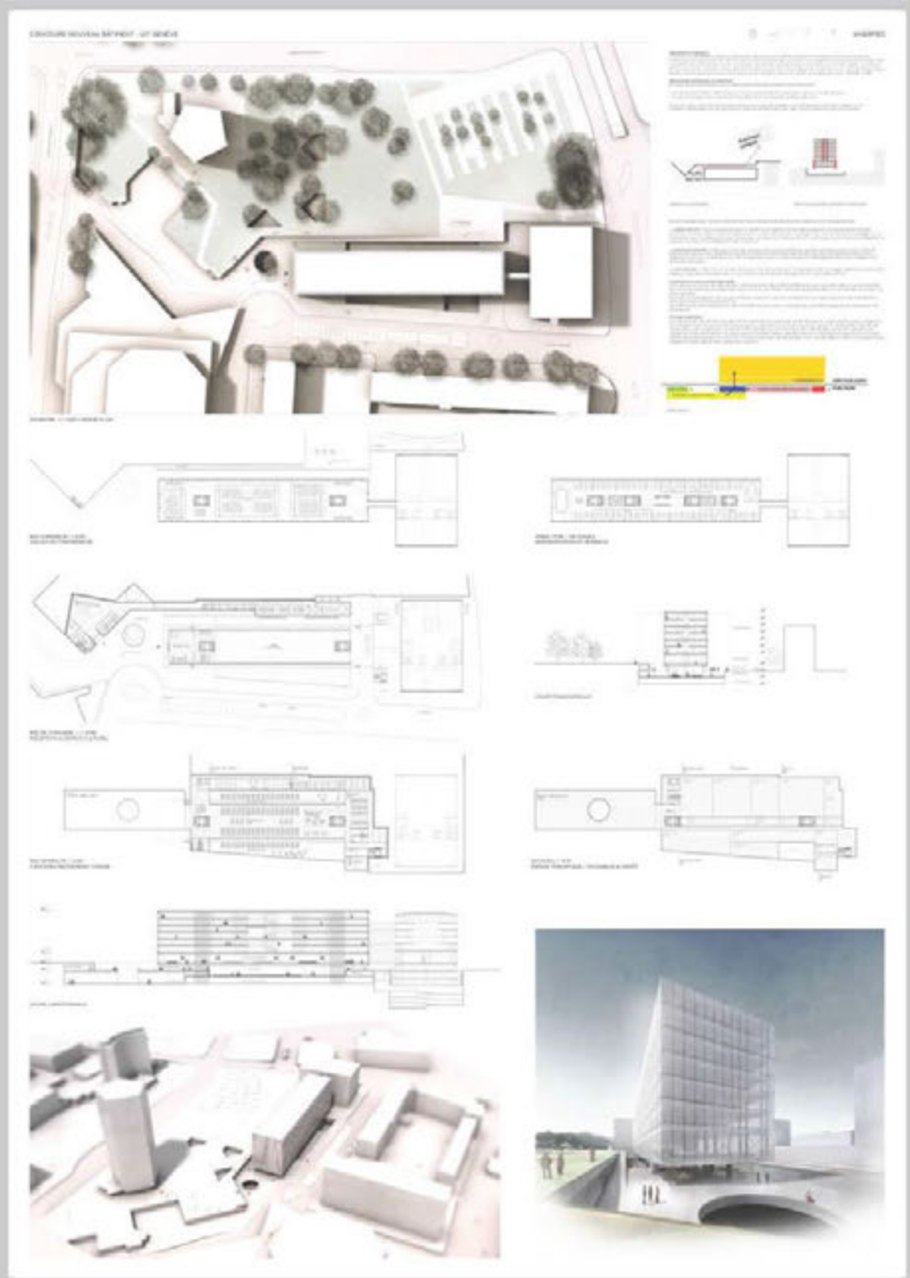
Associate(s) :
Clémentine Marchetti

@HERMES

Office :
Atelier Jordan et
Consmalo Ismail Architectes
Quai de la Sorne 1
2800 Delémont
Suisse

Author(s) :
Frédéric Jordan
Toufic Ismail-Meyer
Diego Consmalo

Associate(s) :
Marie Fruhl-Eggenschwiler
Joël Allman



AA00002007

NO INDEX CARD OF IDENTIFICATION

CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENEVE

AA00002007

ABELINE

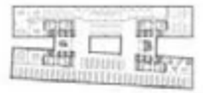
Office :
Ateliers Beau Regard Sàrl
Rue Gourgas 3
1205 Genève
Suisse

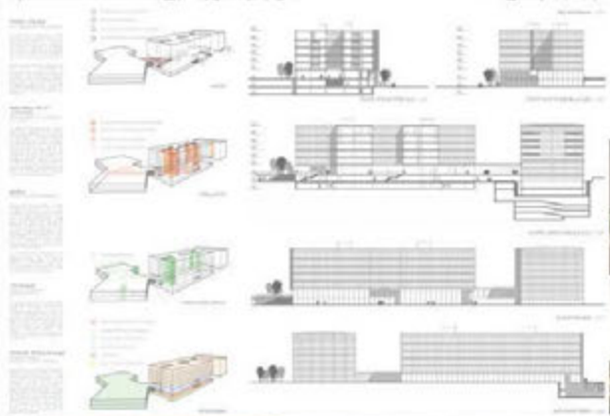
Author(s) :
Alexander Heriot
Christopher Tan
William Schindler

Associate(s) :

CONCOURS DE PROJET - NOUVEAU BATIMENT POUR LE SIEGE DE L'UIT A GENEVE

ABELINE





ANTENNA

Office :
Gunz & Künzle Arch
Manessestrasse 170
8045 Zürich
Suisse

Author(s) :
Gunz & Künzle Architekten
GmbH ETH SIA

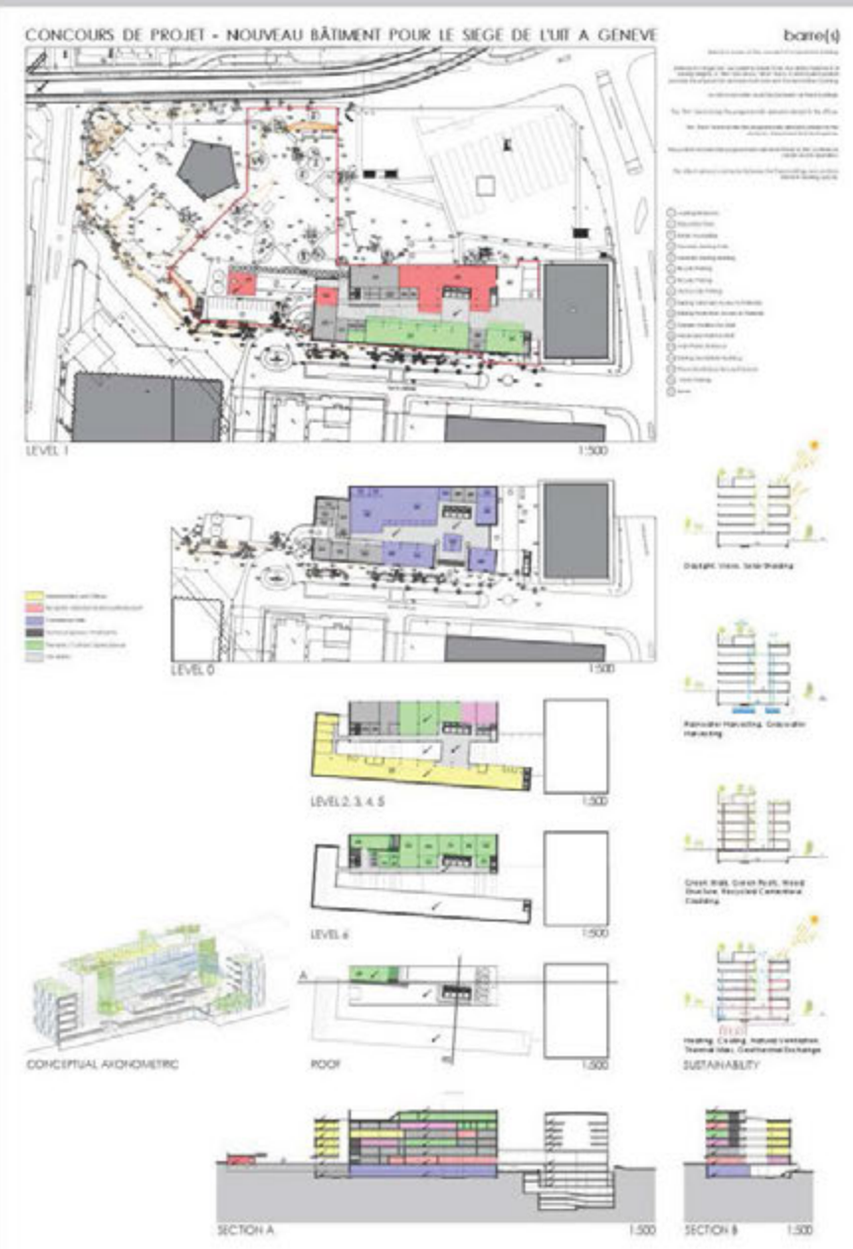
Associate(s) :
Francesco Snozzi
Ingeni SA Zürich

barre(s)

Office :
Thibodeau Architecture + Design
West 8th Avenue 138
V5Y 2N1
Vancouver, British Columbia
Canada

Author(s) :
Patrick Schilling

Associate(s) :
Karim Abdel
Manpreet Singh
Ruan Carlson

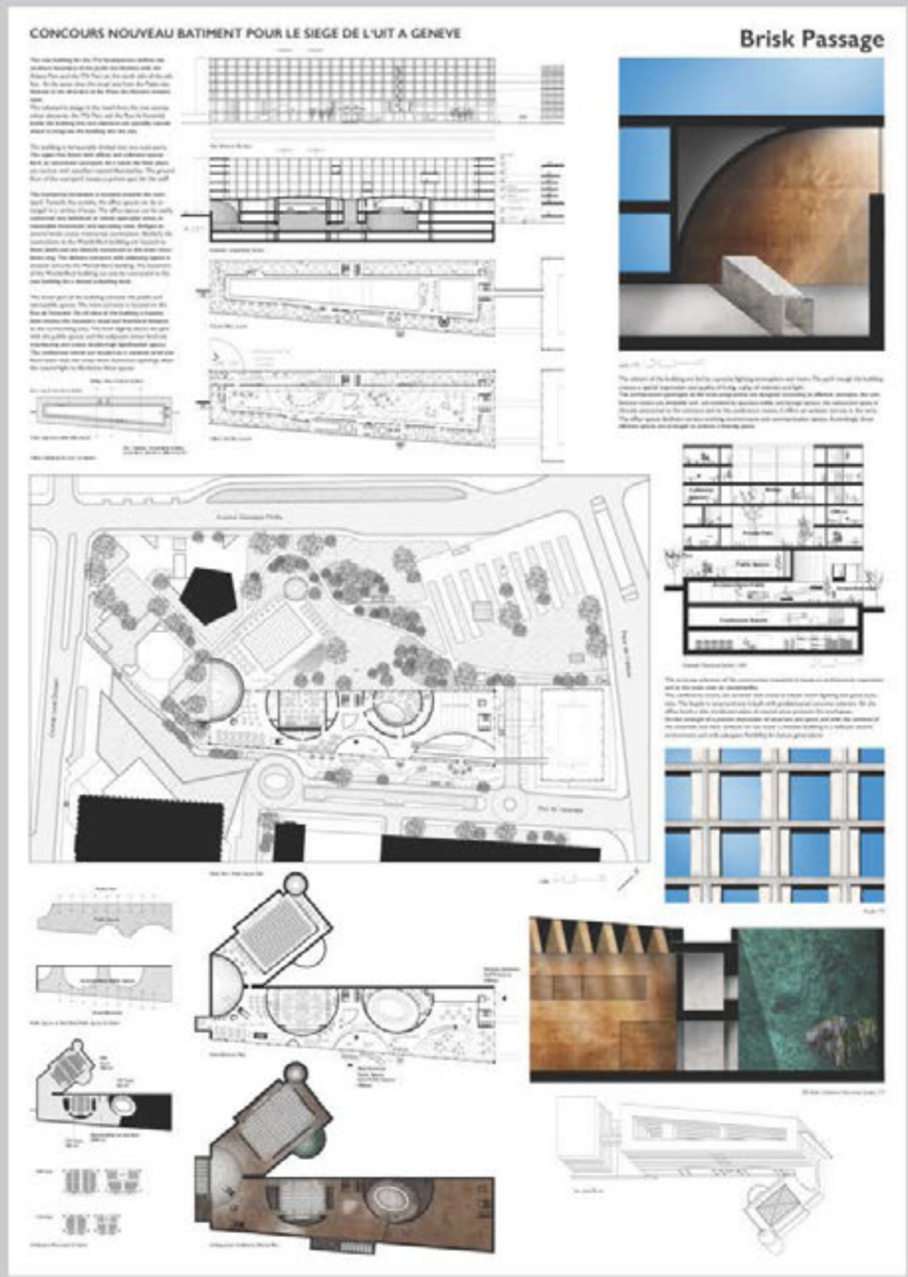


Brisk Passage

Office :
Lorenz Kocher GmbH
Calandastrasse 19
7000 Chur
Suisse

Author(s) :
Lorenz Kocher
Cecilia Manzullo

Associate(s) :
Lorenz Kocher
Cecilia Manzullo



BT7R2SGT4

Office :
GTP srl - Michele Aruanno
Via Giovanni Giolitti 39
10123 Torino
Italia

Author(s) :
Michele Aruanno - GTP srl
Marco Brugo - Al Studio

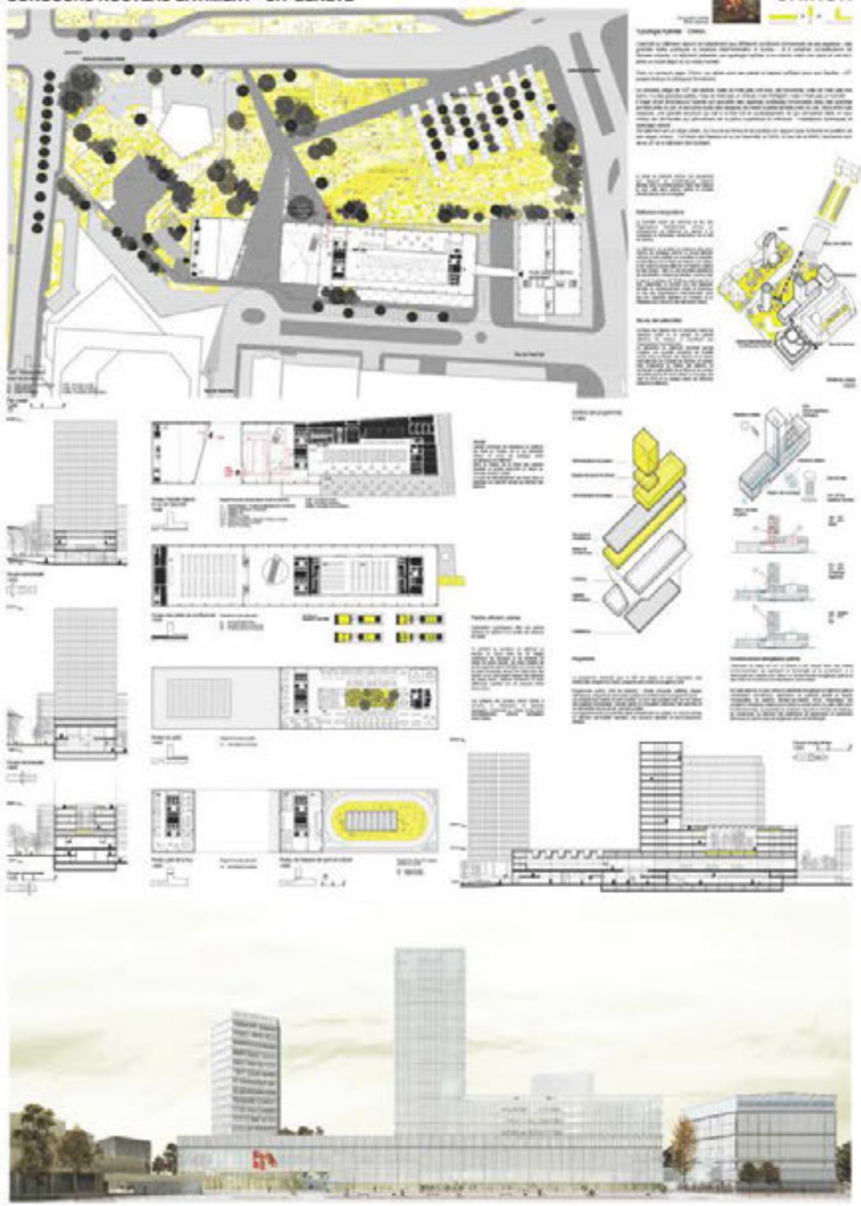
Associate(s) :
Andrea Bogani
Gavril Bolat
Andrea Rolfin
Sara Simone
Giovanni Tosio
Augusta Trussoni
Guido Zanuttini

CHIRON

Office :
FRPO Rodriguez & Oriol
BGAA
Loeches 3, B Izq.
CP 28008 Madrid
Espagne

Author(s) :
Pablo Oriol
Fernando Rodriguez
Francisco Burgos
Giné Garrido

Associate(s) :
Matilde H. Lorenzo Tenreiro
Francisco Diaz
Jaime Hortal
Guillermo Fernández
Andrés Fernández

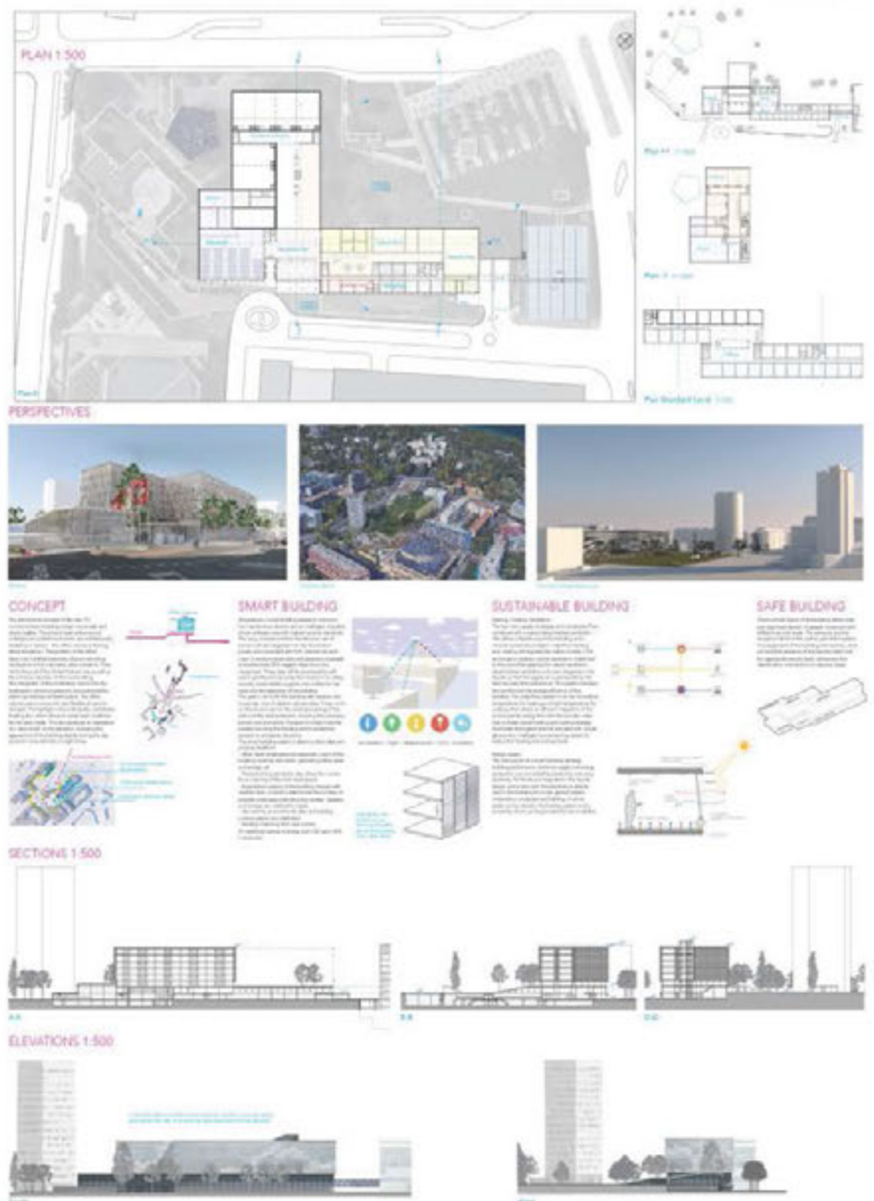


CLOUDCOM

Office :
Andreas Vogler
Hohenstaufenstrasse 10
80801 Munich
Allemagne

Author(s) :
Andreas Vogler
Sylwia Pawlowska
Juan Hernandez Leal

Associate(s) :
Elisabeth Endres
Ingenieurbüro Hausladen GmbH



COLLAGE

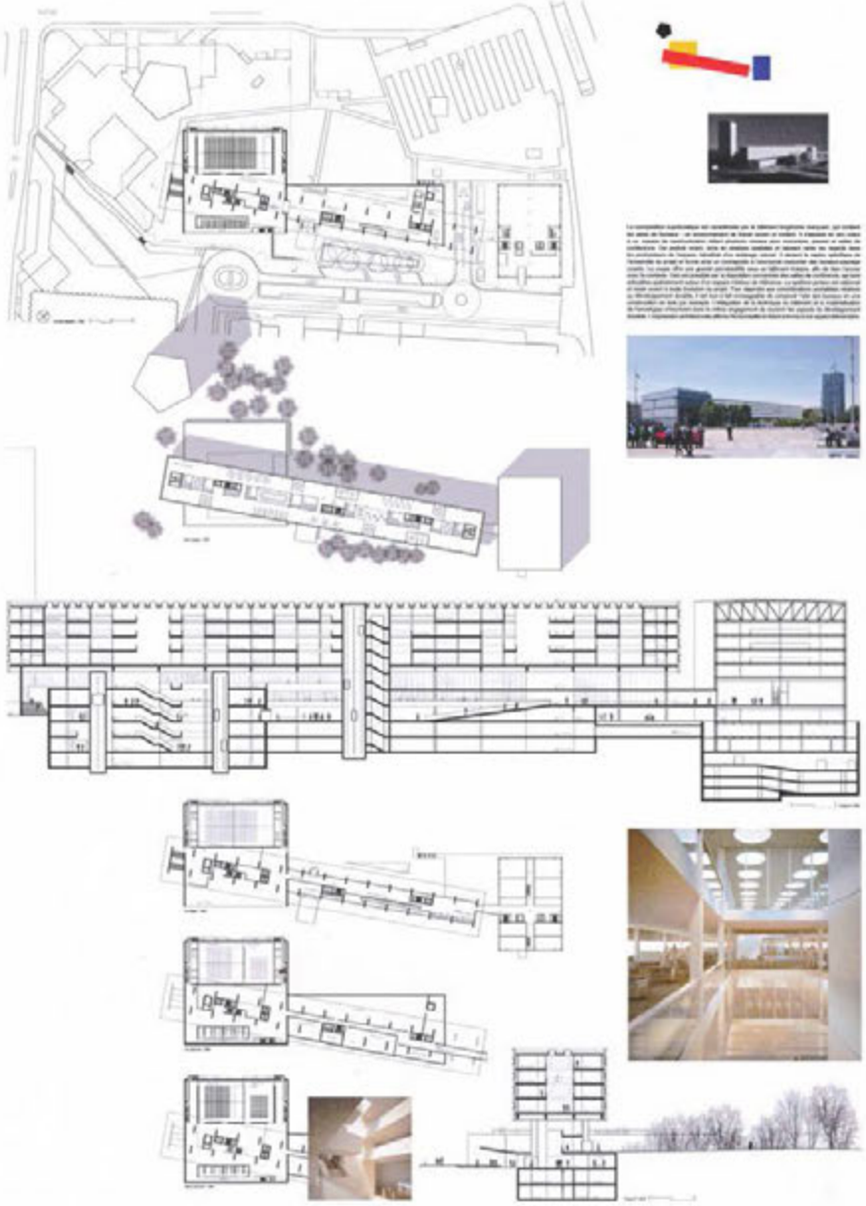
Office :
Architekturbüro Andrea Roost
Steinentrasse 85
3005 Berne
Suisse

Author(s) :
Andréa Roost

Associate(s) :
Damien Lisk
Marco Bill

CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENEVE

COLLAGE



COMPACT WHITE

Office :
Analia Sàrl
Impasse Carnot 14
92240 Lalskof
France

Author(s) :
Stanimir Paparisov
Kalina Petkova

Associate(s) :
Nicolas Millet
Kenza Benkhicham

CONCOURS DE PROJET - NOUVEAU BÂTIMENT POUR LE SIEGE DE L'UIT A GENEVE

COMPACT WHITE

CONVERGENCES

Office :
Kanva + sy-arch
Rue de la Tour 35
1004 Lausanne
Suisse

Author(s) :
Kanva sy-arch

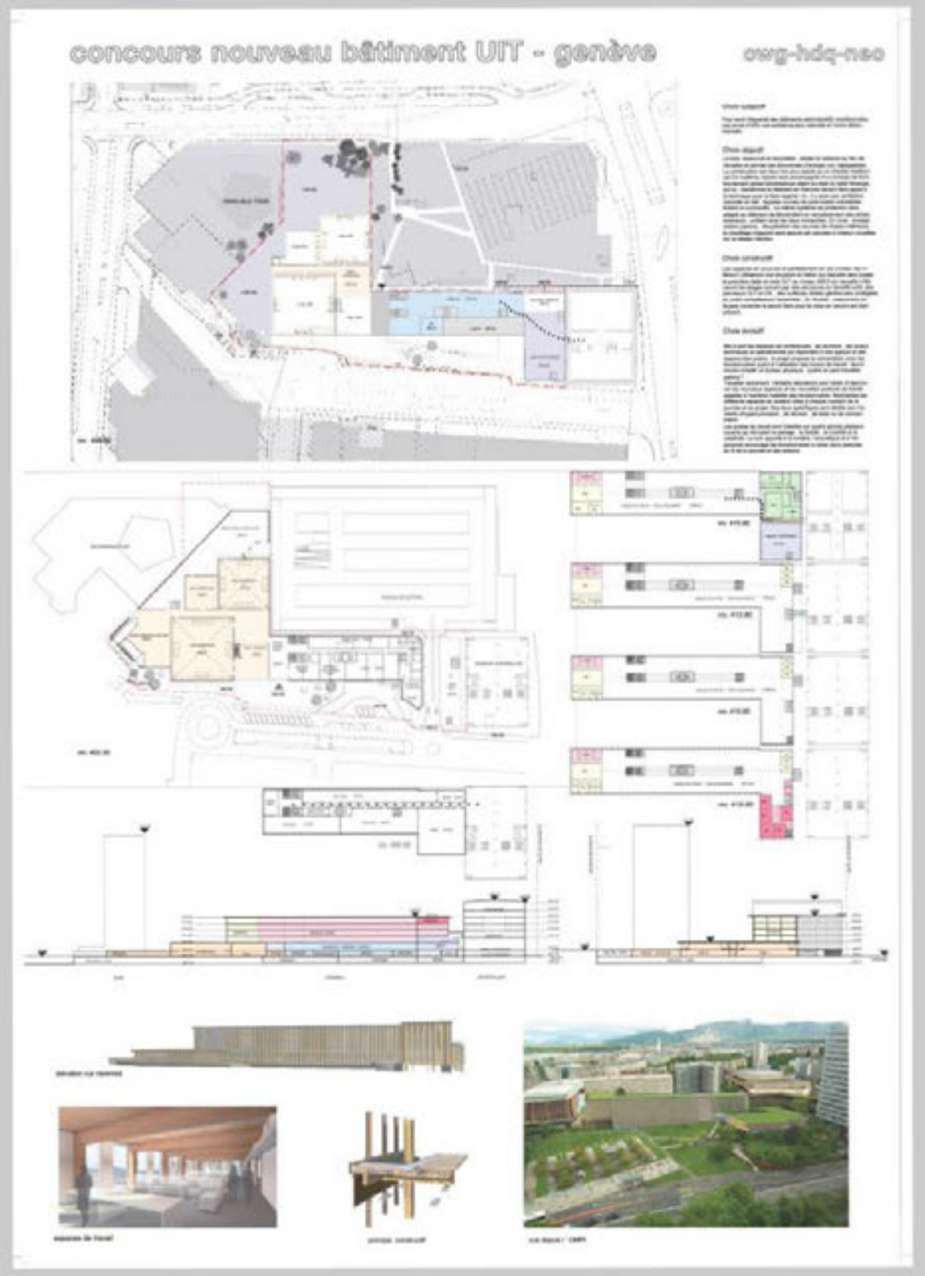
Associate(s) :
Martine Lapotre

cwg-hdq-neo

Office :
ARAS
Grande Rue 2
1268 Begnins
Suisse

Author(s) :
Flore Stuby

Associate(s) :



DAIDALOS

Office :
Baniz Giannachi Rossi Caminada
MSc Arch. ETH SIA
Badenerstrasse 281
8003 Zurich
Suisse

Author(s) :
Paolo Giannachi
Tibor Rossi
Marco Caminada
Thomas Weber
Jonathan Baniz

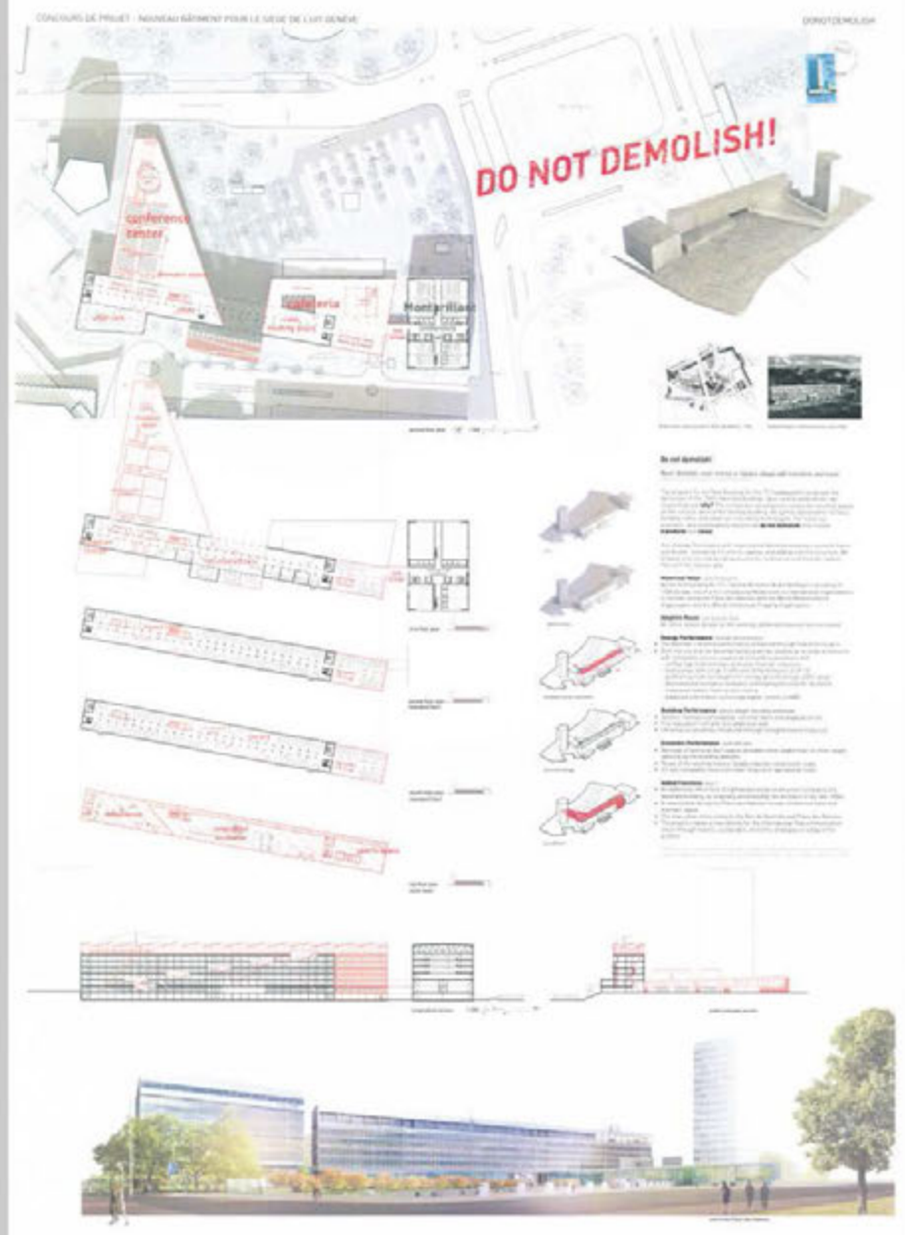
Associate(s) :
Paolo Giannachi
Tibor Rossi
Marco Caminada
Thomas Weber
Jonathan Baniz

DO NOT DEMOLISH!

Office :
agps architecture sa
Zypressenstrasse 71
8004 Zurich
Suisse

Author(s) :
Marc Angélil
Sarah Graham
Manuel Scholl
Matej Draslar
Pascal Hendrickx
Frederick Kim

Associate(s) :

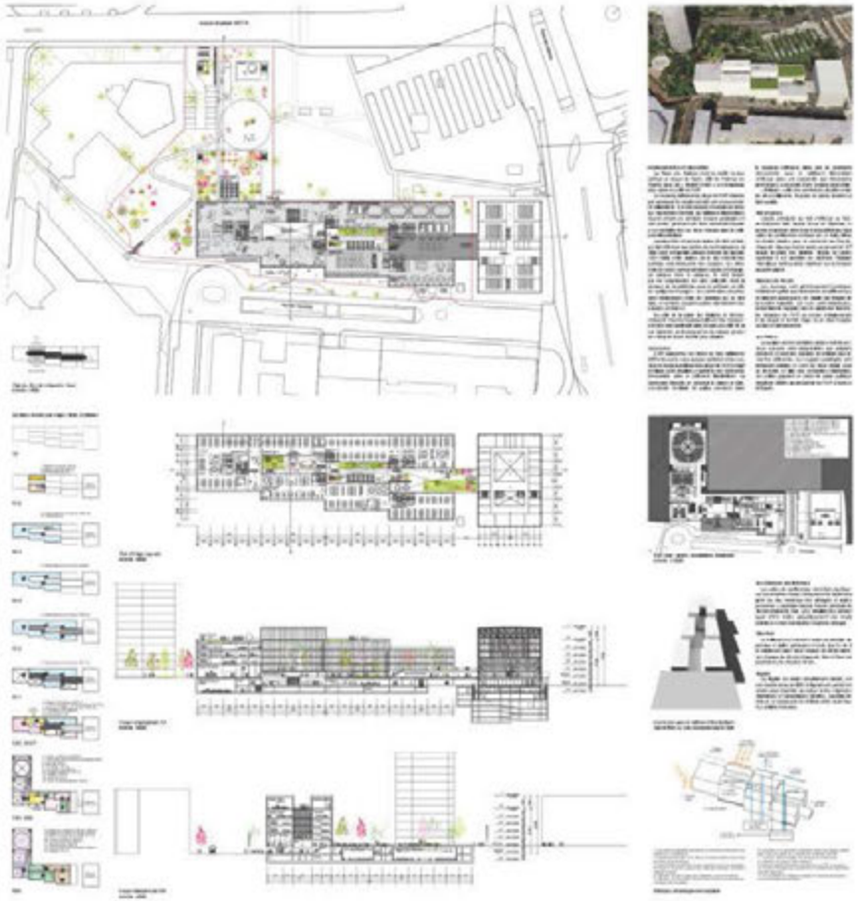


ENFILADE

Office :
Nanni, Hoyos-Limon, Yang, Zamponi
via Mario Conti 22/e
40068 San Lazzaro di Savena, Bologne
Italie

Author(s) :
Filippo Nanni
Shihui Yang
Lucia Zamponi
Alicia Hoyos-Limon Encinas

Associate(s) :



ENOTIKON

Office :
Dad Architecte
Mais Architecture
Rue du Rendez-Vous 47
75012 Paris
France

Author(s) :
Telvo Bodereau
Cédric Bodereau
Maksymilian Skrocki

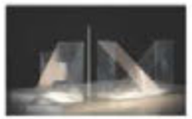
Associate(s) :

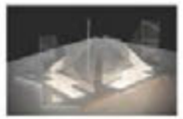
FOUR PEAKS

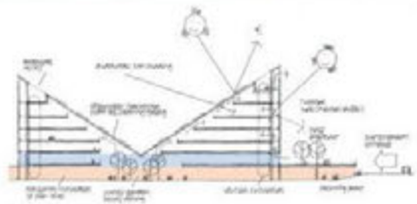
Office :
Halliday Clark Architects
The Grove 21
LS29 9LW Ilkley
Royaume-Uni

Author(s) :
Halliday Clark Architects

Associate(s) :







FREQUENCE

Office :
Atelier Cité(s)
Rue de la Fontanette
1227 Carouge
Suisse

Author(s) :
Daniel Sidler
Julien Barro

Associate(s) :
Soraya Essafi

GENIUS LOCI

Office :
Lorenzo Alonso Arquitectos S.L.P.
Place Saint-François 12bis
1005 Lausanne
Suisse

Author(s) :
Lorenzo Alonso Gonzalez
Jose Luis Cerezo Sanz

Associate(s):
Beatriz Alonso Perez
Lorenzo Alonso Perez
Paula Herrera Fernandez
Beatriz Jimenez Gutierrez
Elena Frondián
Isil Yucel
Eduardo Ledoux Pardo
Carlos Cisneros Poblete
Pablo Vicente Ramudo

HANGINGARDENS

Office :
Pharc SA
Chemin Puthon 7
1224 Chêne-Bougeries
Suisse

Author(s) :
Gezim Pacarizi
Brigitta Hunkeler

Associate(s) :
Brikena Deda
EDMS SA
Kapaluveşah
Pubillaz SA

HB9-UIT

Office :
Lawrence Bretting - architecte Sàrl
Rue du Village 8
1164 Buchillon
Suisse

Author(s) :
Lawrence Bretting
Gregoria Henriod

Associate(s) :

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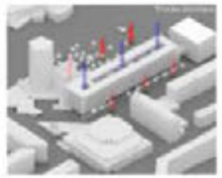
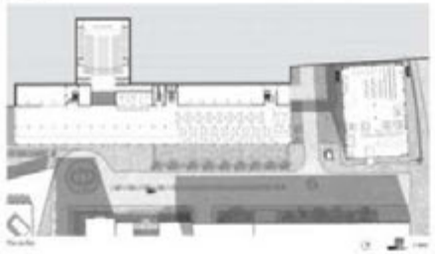
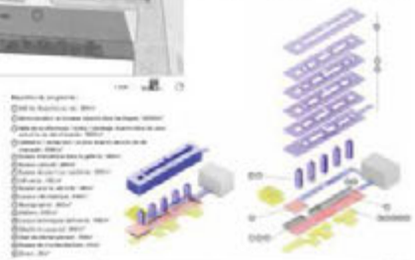
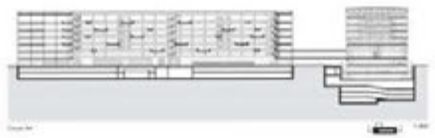








I46131344G

Office :
ERA Planning Architecture
Consulting Co Ltd
Gardenya Plaza 3 Kâ Atasehir
34758 Istanbul
Turquie

Author(s) :
Ali Hidiroglu

Associate(s) :
Joao Cruz Neves
Ahmet Irfan Ertis
Ugur Yavuz
Nil Karamolla
Ali Tiner
Beycan Cetin
Yasim Ciner

ICLIVEBLDGS

Office :
isul-design
100-2 Toronto Street - Suite 277
Toronto, ON
M5C 2B5
Canada

Author(s) :
Ren O Lum

Associate(s) :

IN & OUT

Office :
Bottega - atelier d'architecture
Giorgio Santarossa Castari
Rue Tronchet 5
75008 Paris
France

Author(s) :
Giorgio Santarossa Castari
Thomas Joliet

Associate(s) :

LA PIERRE 21

Office :
Perraudin Architekten Consortium
Rue Louis Favre 43
1201 Genève
Suisse

Author(s) :
Perraudin architectes
atelier architekten sàrl

Associate(s) :
Gilles Perraudin
Jean-Manuel Perraudin
Pierre Antoine Bernud
Benjamin Demoly
Franck Jacquier
Martine Leroux

MOLAMOL

Office :
2BMFG arquitectes SLP et
Andrea Calanchini Architecte
Pl. Joaquim Pons 8, PB
08017 Barcelona
Espagne

Author(s) :
2BMFG arquitectes SLP
Andrea Calanchini Architecte

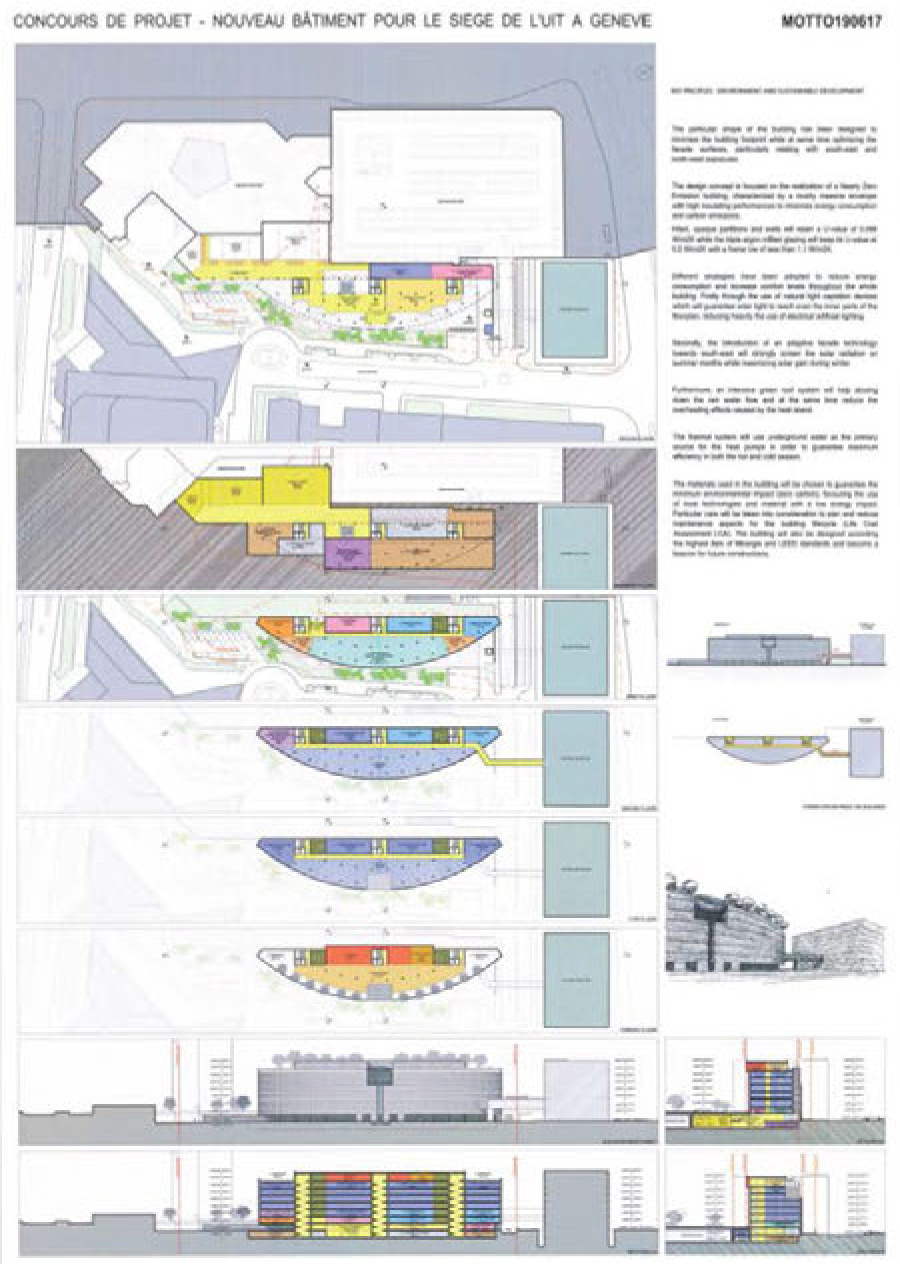
Associate(s) :
Manel Bamés
Agata Buxade
Andrea
Calanchini
Carles Gelpi
Nuria Greub
Vincent Manzoni
Lucia Martins
Susana Munoz
Ana Vidal

MOTTO190617

Office :
Mario Botta Architetti
Via Beroldingen 26
6850 Mendrisio
Suisse

Author(s) :
Mario Botta

Associate(s) :
Giuditta Botta
Giorgio Fontana
Piero Giovannini

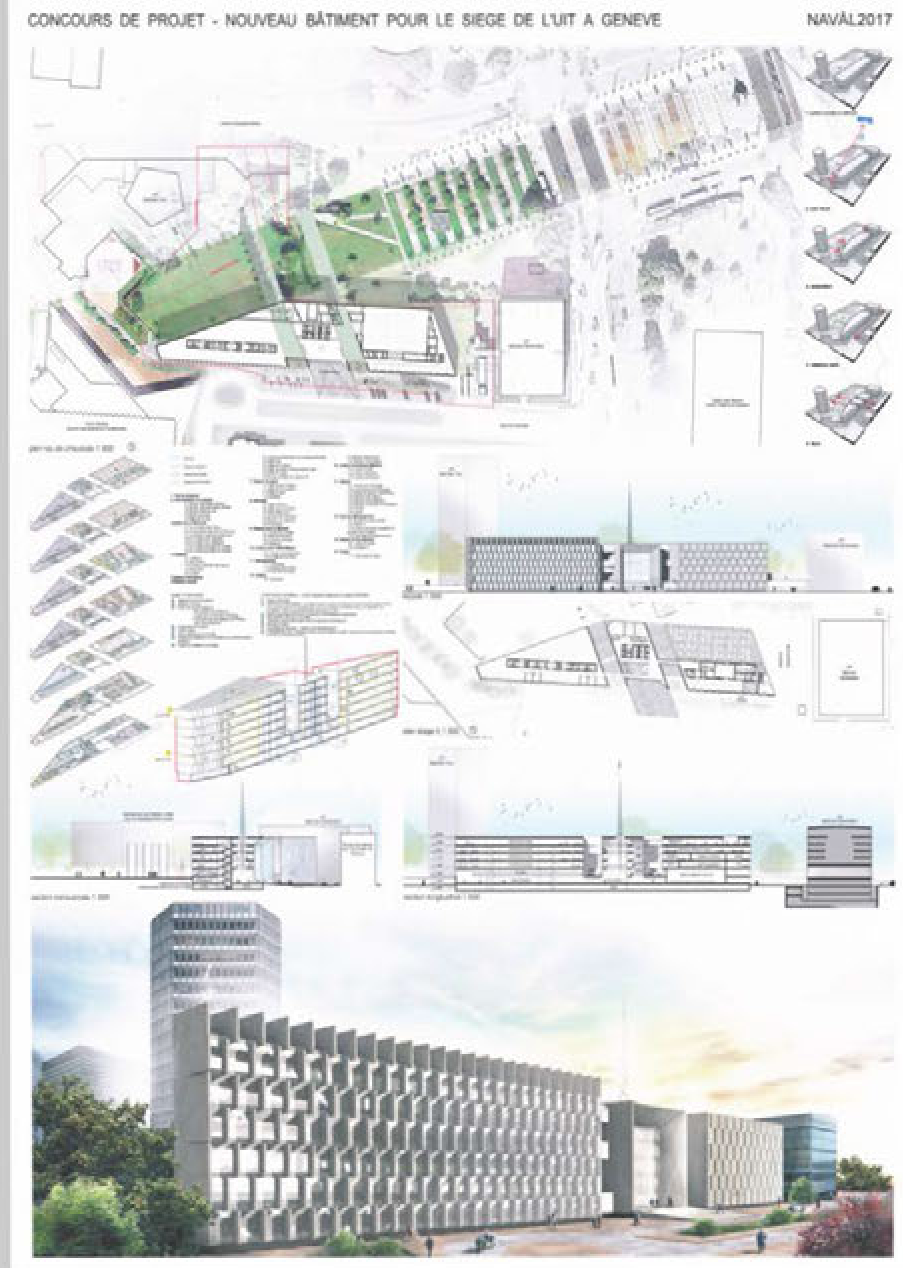


NAVAL2017

Office :
Giovanni Vaccarini Architects -
Sinonimos Srl
c/o Conseils SA
Rue du Parc 3bis
1207 Genève
Suisse

Author(s) :
Giovanni Vaccarini

Associate(s) :
Silvia Incollingo
Stefano Montes Girbés
Ortenca Osmenaj
Michela Pirro

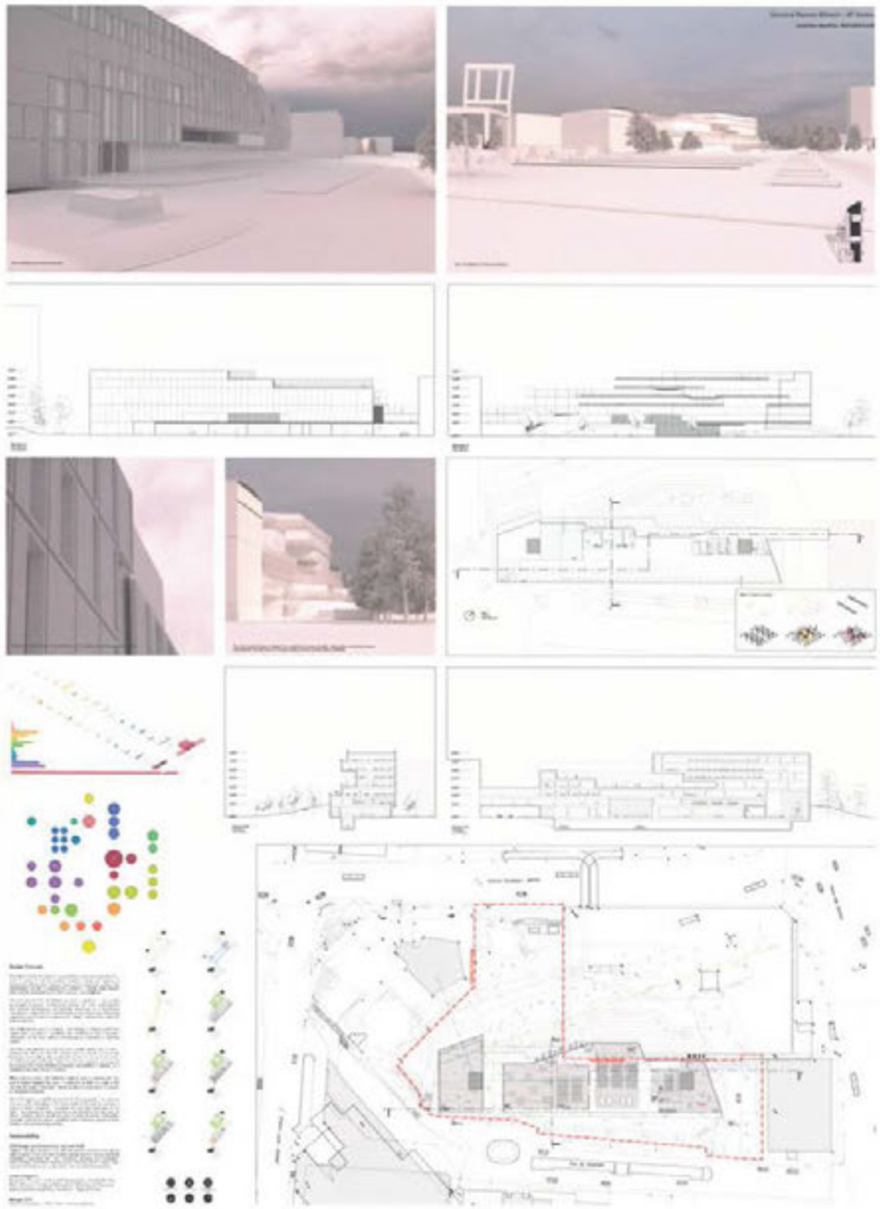


NU553BAUE52W

Office :
Mason Architects Ltd
Ardoch, Cromlix Balfour
Aberdeenshire
Ecosse

Author(s) :
Ben Addy
Jamie Kinghorn
Andrew Macpherson
Thomas Rhodes

Associate(s) :



P36377363P

Office :
Mengado y Asociados SL
Vuelta del Castillo 5, ático
31007 Pamplona
Espagne

Author(s) :
Francisco J. Mengado

Associate(s) :
Ruben Lastiano
Ricardo Nunes
Pablo Castillo
Luca Costa
Luca Pennachi
Jona Raicovica
Manon Courcaud

PARABOL

Office :
Bernet Bernet Kölliker AG
Binzstrasse 23
8045 Zurich
Suisse

Author(s) :
Maurice Bernet
Raphael Kölliker
Jaime Rodriguez
Tilmann Wehsinger
Marcel Fässler
Thomas Metz
Cristina Cifarrello

Associate(s) :
Florian Seibold
Nevan Kostic

PEMAE12

Office :
Pesquera y asociados SLP +
Paula Montoya
C/ Fernando Garrido nº 12 bajo
Local
28015 Madrid
Espagne

Author(s) :
Eduardo Pesquera Gonzalez
Paula Montoya Sáiz
Mercedes Díez Menéndez

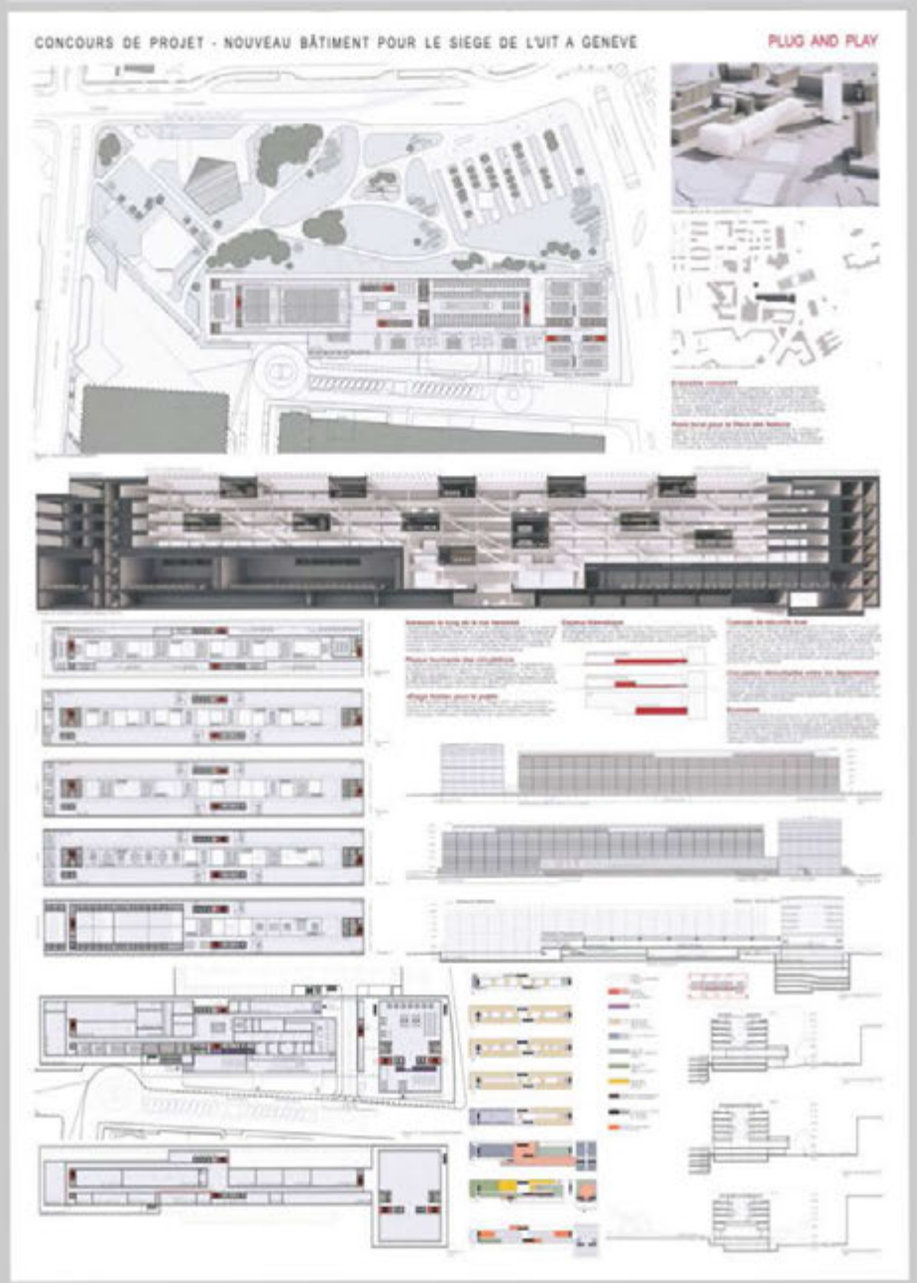
Associate(s) :
Elena Lopez Cherino
Ana Mª Suare-Anta

PLUG & PLAY

Office :
Renzo Bader Architekten
Baarerstrasse 75
6300 Zug
Suisse

Author(s) :
Renzo Bader
Lucrezia Raffio

Associate(s) :
Maria Louise Tolstrup

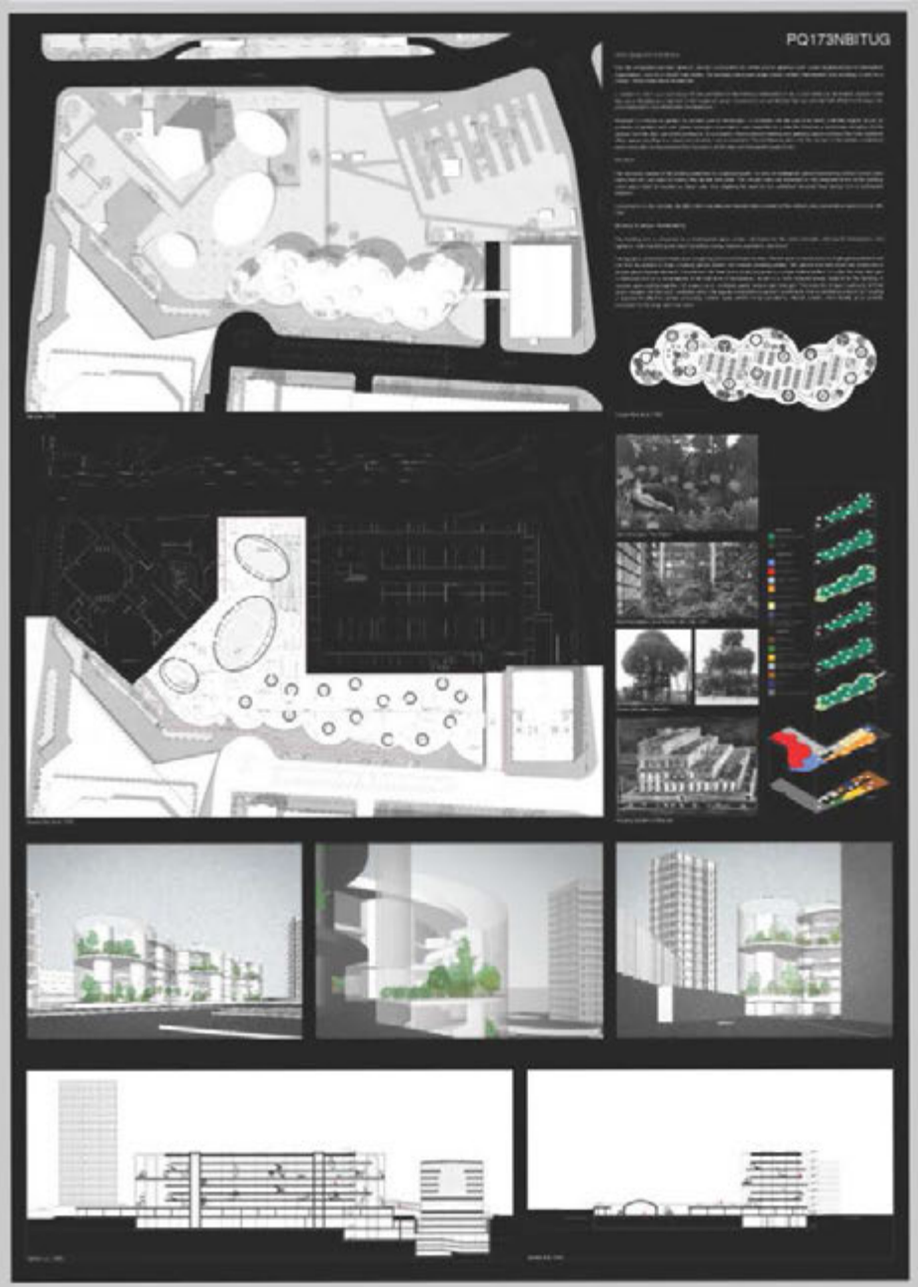


PQ173NBITUG

Office :
ilg santer architekten
Limmatquai 24
8001 Zurich
Suisse

Author(s) :
Andreas Ilg
Marcel Santer
Agnieszka Dolnicka
Pavlina Zika
Eugene Arvinge

Associate(s) :
Bakus Bauphysik & Akustik GmbH
GEP Fassadentechnik AG
Hürst Leffranchi Bauingenieure GmbH

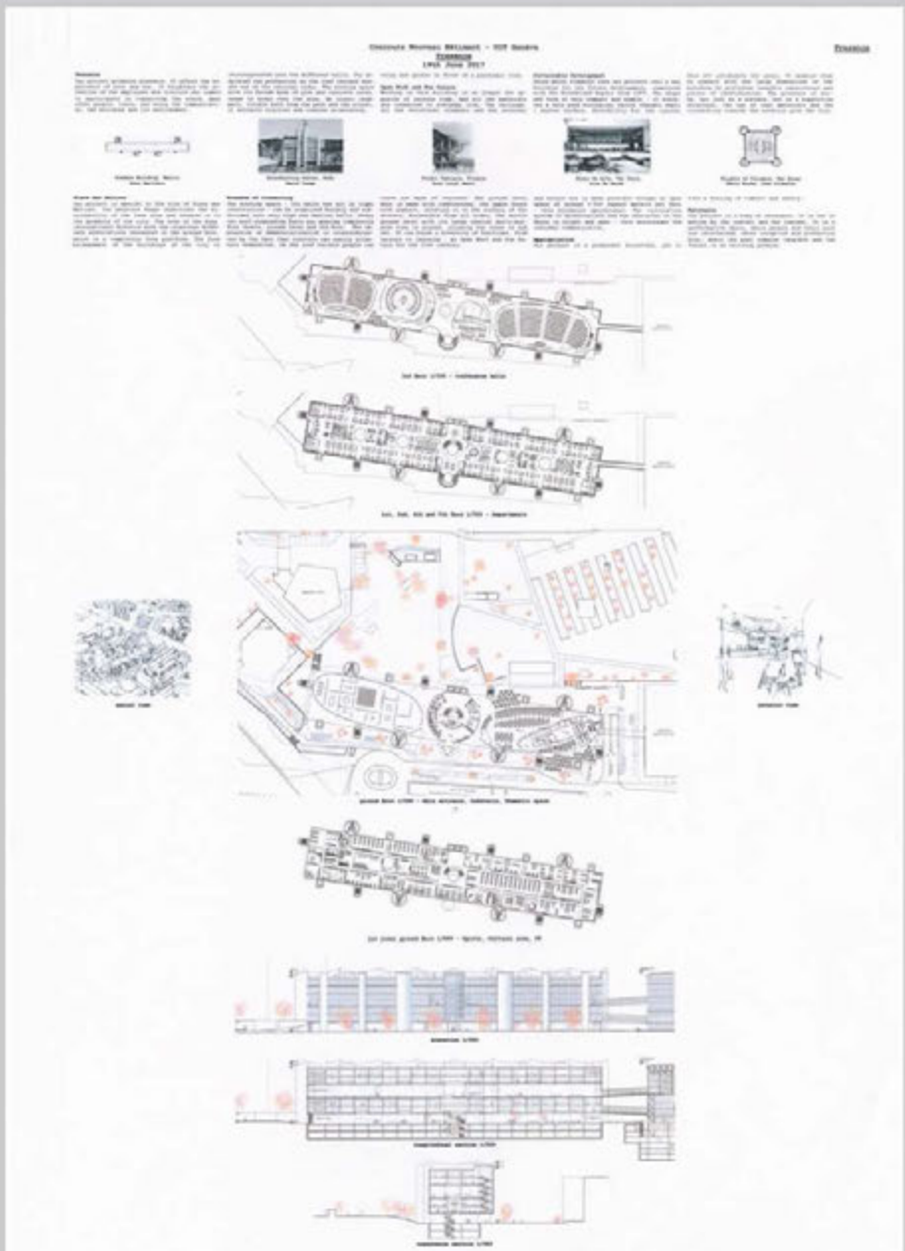


Présence

Office :
PARK
Heidstrasse 139
6004 Zurich
Suisse

Author(s) :
Markus Löscher

Associate(s) :
Daniel Forster
Philip Ursprung



radio days

Office :
Studio Meyer e Piattirin
Architetti
via Sirana 79
6814 Lamone
Suisse

Author(s) :
Lukas Meyer
Ira Piattini

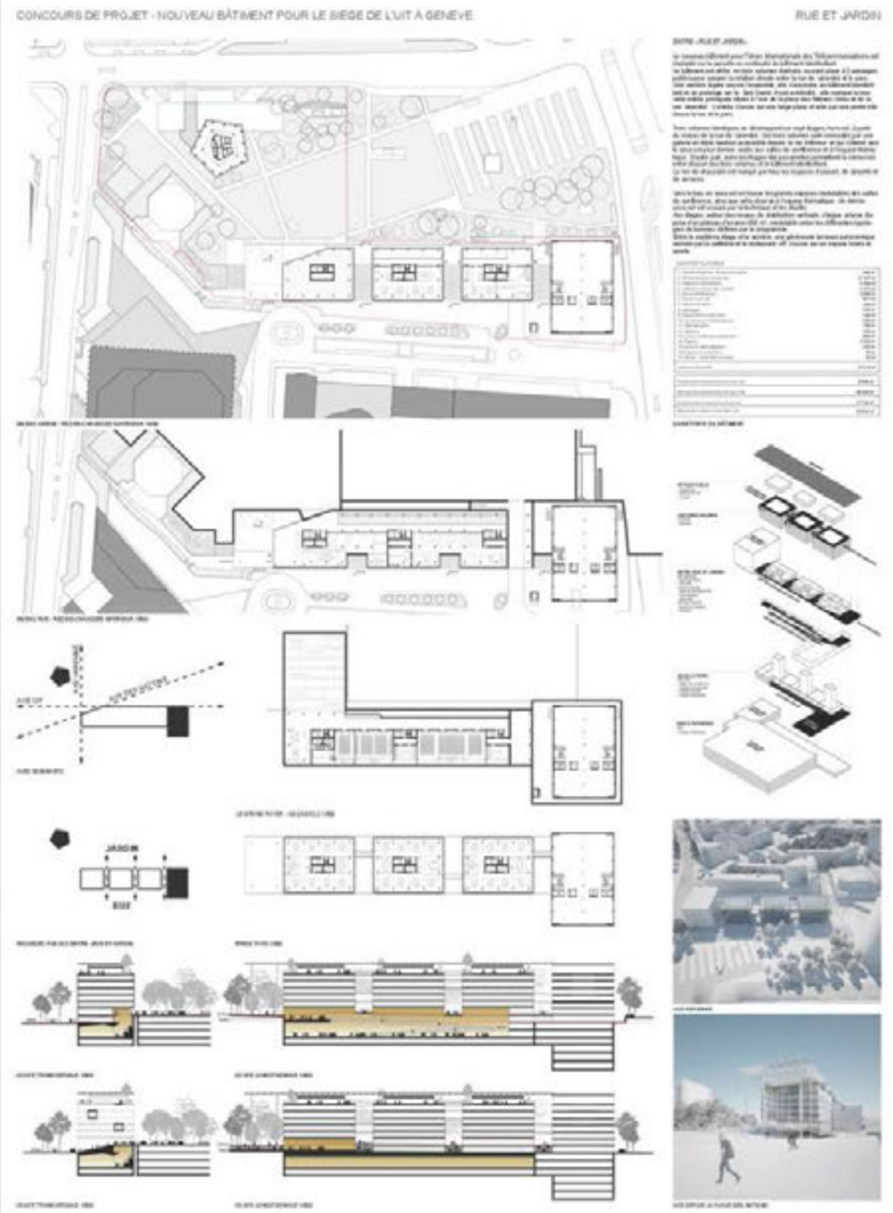
Associate(s) :
Fabrizio Bomboli
Emanuele Pigionetti

RUE ET JARDIN

Office :
fewre & guth SA
Route des Acacias 25
1211 Genève
Suisse

Author(s) :
Patrice Besos
Nabil Oulhaci

Associate(s) :
Angelique Morand
Andrea Corrodi
Daniel Szalapski
Ignacio Ferrer
Michael Schaupp
Expert : Dominique Perrault PDA

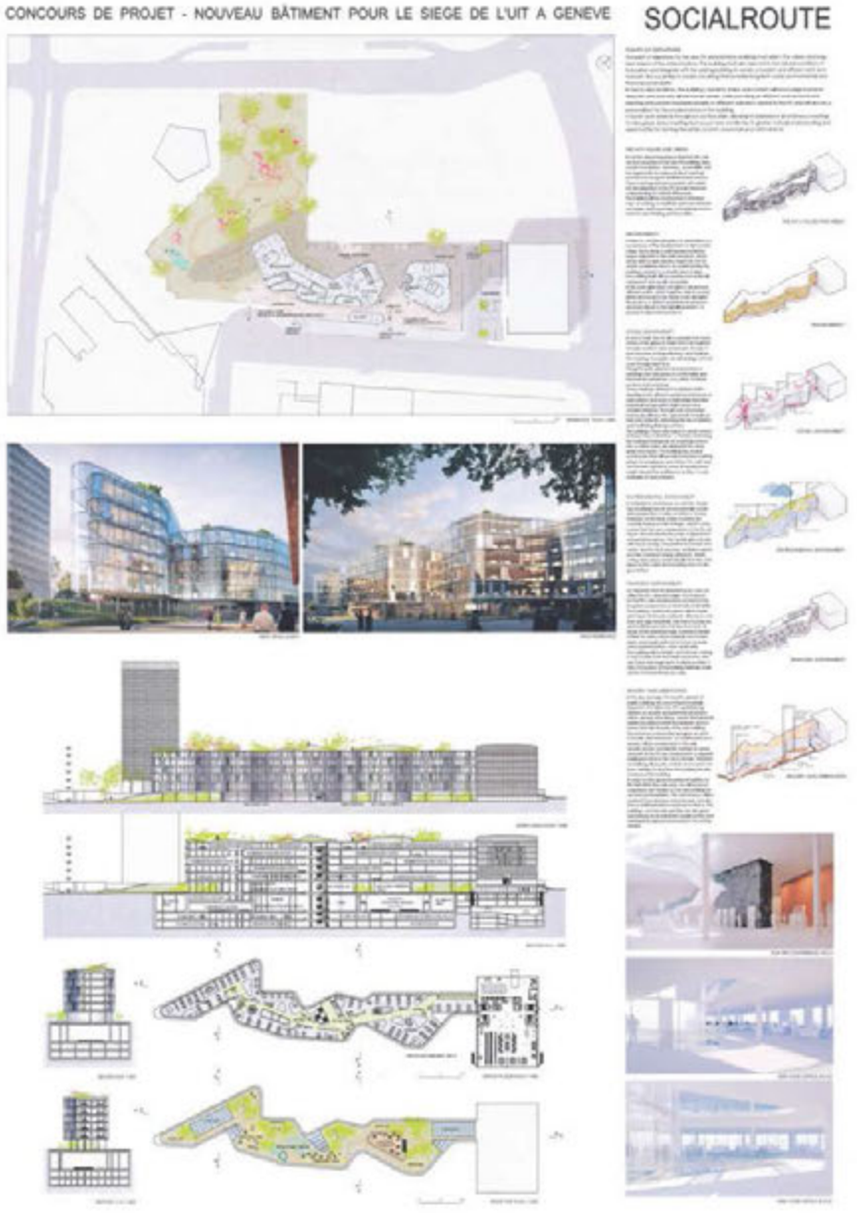


SOCIALROUTE

Office :
Magnus Mansson and
Ingrid Campo-Ruiz Architect
(in collaboration with Semrén
and Mansson)
C/Ebro, 33
Los Pinsucales Torrelodones
28250 Madrid - Espagne

Author(s) :
Magnus Mansson
Ingrid Campo-Ruiz

Associate(s) :
Oskar Tagesson
Johan Rench
Andreas Singlund
Ilya Botkov
Jonathan Hasson

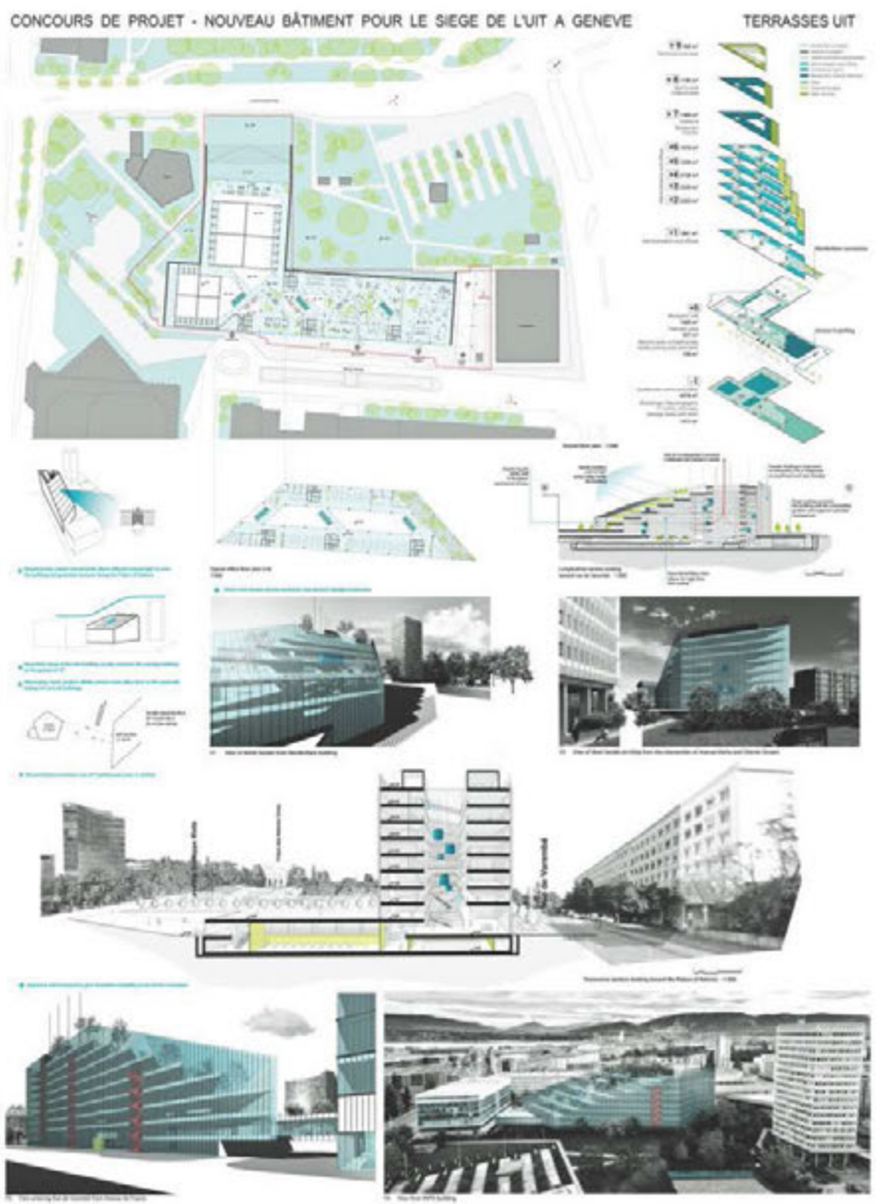


TERRASSES UIT

Office :
Buzzoniarno Veglia Srl
PAT Architetti Associati
Corso Novara 99
10154 Torino
Italie

Author(s) :
Andrea Veglia
Giuseppe Veglia

Associate(s) :
Gianluca Converti
Chiara De Grandi
Alberto Motta
Nicolò Radicioni
Silvia Solero
Francesca Thiebat
Yue Xiao



THELINK

(2)

Office :
Itten + Brechbühl SA
Rue des Gares 7
1201 Genève
Suisse

Author(s) :
Laurent Gerbex
Vasil Kaykov
Ronain Lowey

Associate(s) :
Sebastiano Bescort
Floriane Jacob

Through form

Office :
Jean-Christophe Quinton
Architecte
Rue de la Grange Batelière 18
75009 Paris
France

Author(s) :
Jean-Christophe Quinton

Associate(s) :
Gaspard Closet
Hilaire Bauclouin
Charles Rosenfeld
Nicolas Wicart

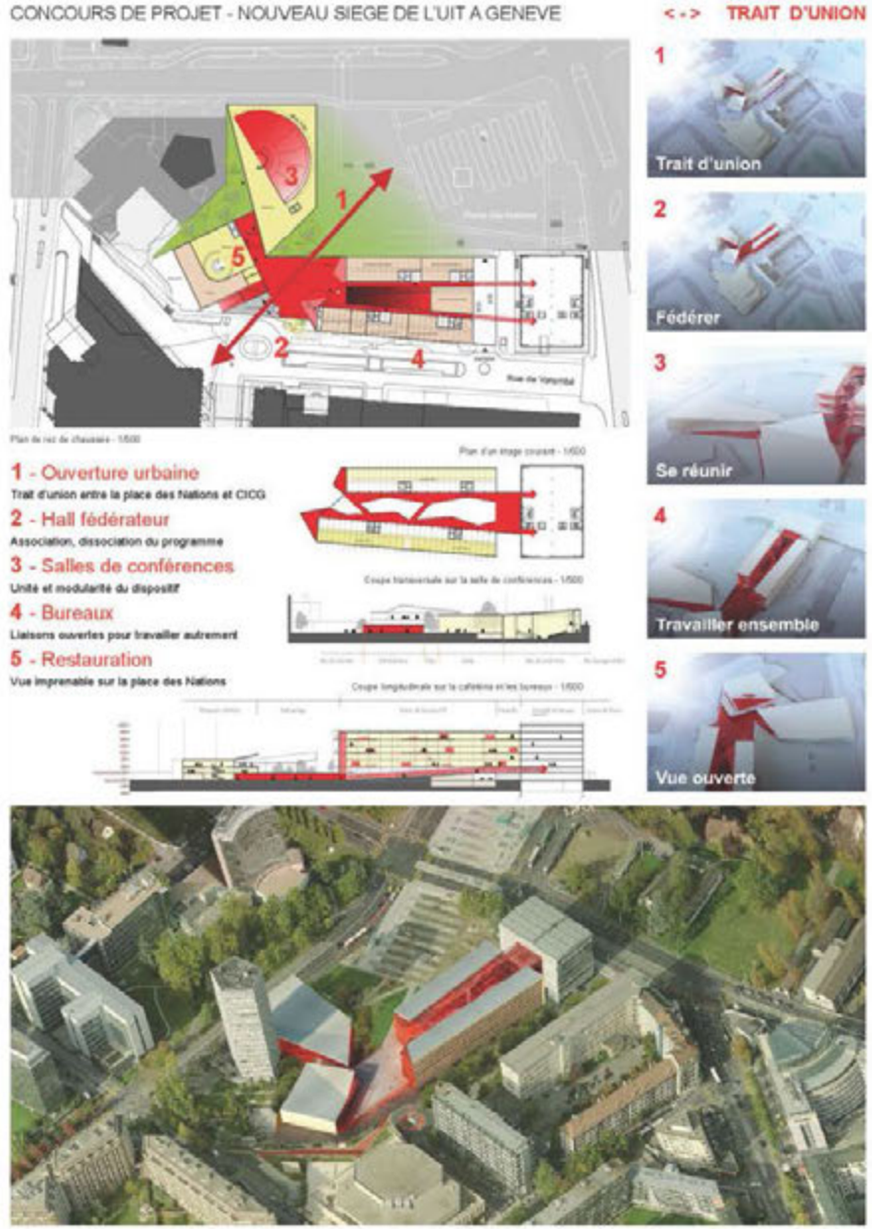
TRAIT D'UNION

(1)

Office :
Atelier Puzzler et Nathalie Rallet
Rue Edouard Jacquet 7
75014 Paris
France

Author(s) :
Bertrand Dubus et Frédéric Broutter (Atelier Puzzler)
Nathalie Rallet

Associate(s) :
Baptiste Darbois



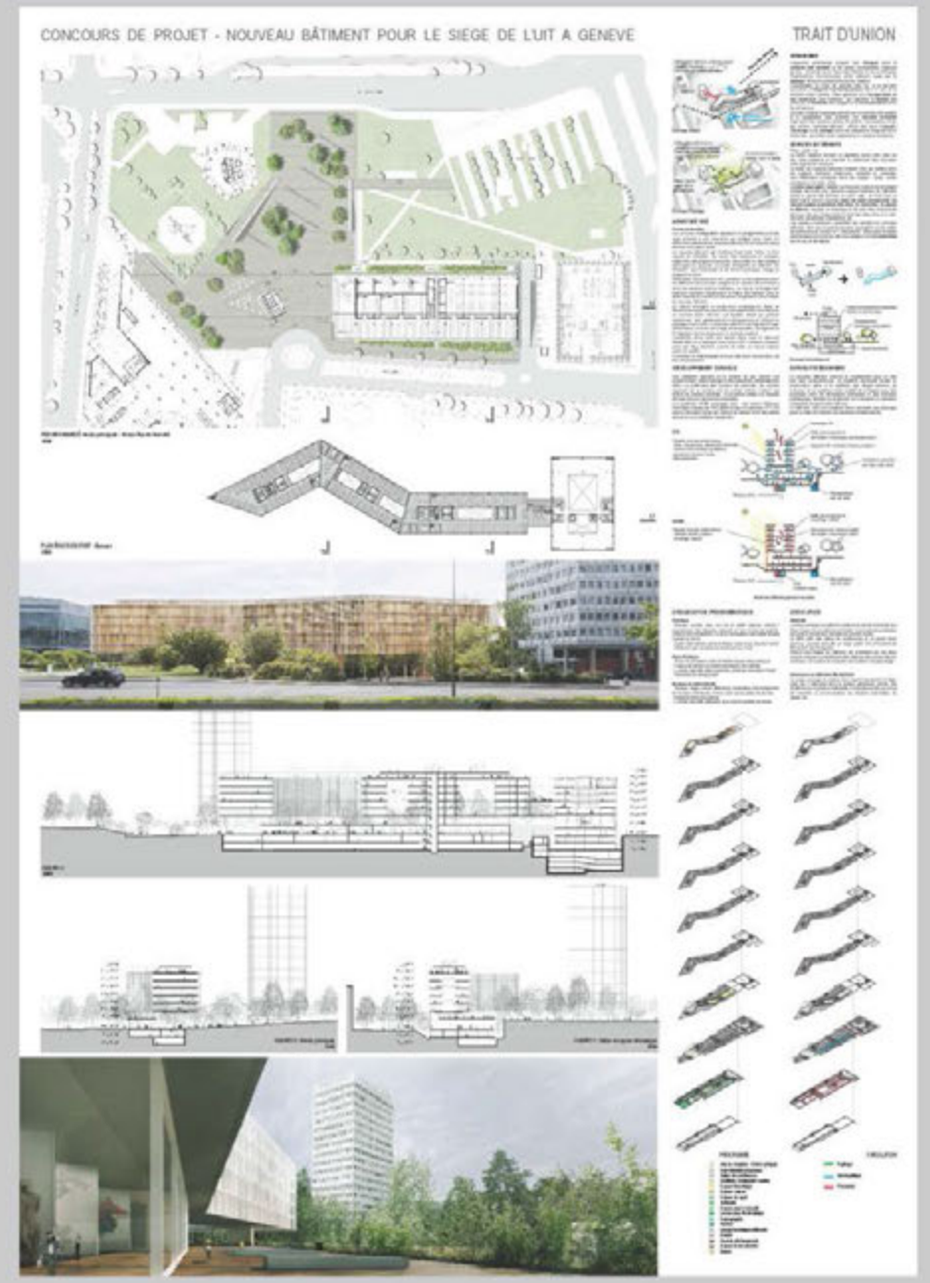
TRAIT D'UNION

(2)

Office :
PINEARQ slp
EMA - Eric Maria Architectes Associés SA
Mare de Deu de la Salut 40
08024 Barcelone
Espagne

Author(s) :
Albert de Pinedo (Pinearq)
Eric Maria (EMA)

Associate(s) :
Alvaro Valcarce (Pinearq)
Daniela Fortuna (EMA)
Abraham Jiménez (Pinearq)
Catarina Dam (Pinearq)
Ada Demetriu (Pinearq)
Jenica Craiu (Pinearq)



trees

Office :
Masa Arquitectonica SLP (Morph)
Ocdonnell 34, Level 5
28009 Madrid
Espagne

Author(s) :
Cesar Frias Enciso
Miguel Pradillo Candon

Associate(s) :
Raquel Duenas
Juan Manuel Gómez
Javier Rivas
Coral Moore
Daniel Lopez

VICE VERSA

Office :
Idom Consulting Engineering Architecture,s.a.u
Av. Monasterio de El Escorial 4
28049 Madrid
Espagne

Author(s) :
Iñaki Sainz Zabala

Associate(s) :
Alvaro Ascoz Amat
Inés López Taberna
Yolanda Carazo de Pedo
Clarisse Guiraud
Ilias Iturbain de la Rica
Francisco José Sánchez Aguilar
Gofrar Manrique San Pedro

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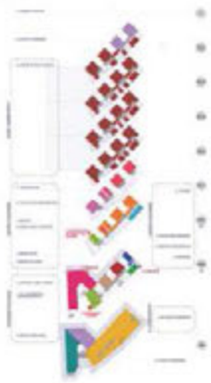
VICE VERSA



XXXX46N6E

Office :
XDGA Xaveer de Geyter Architecten
Quai du Commerce 40
1000 Bruxelles
Belgique

Author(s) :
Xaveer de Geyter Xdga

Associate(s) :
Paul Emmanuel Lambert
Maud Bouhin

CONCOURS NOUVEAU BÂTIMENT - UIT GENÈVE

XXXX46N6E

ZAM8609

Office :
Studio Pali Felsete architects
Washington Blvd 8609
90232 Culver City (CA)
Etats-Unis

Author(s) :
Zoltan E. Pali

Associate(s) :
Adam Sauer
Mostafa Ghaffari