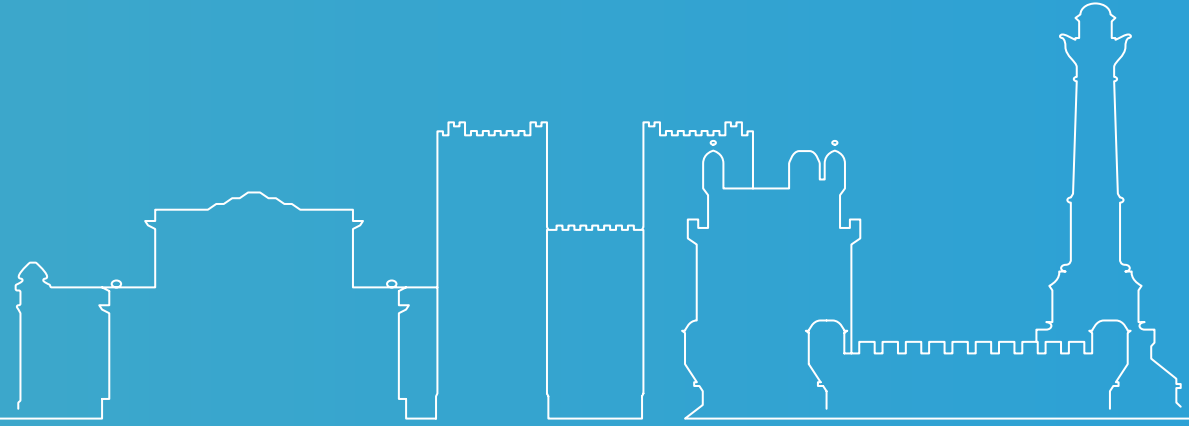
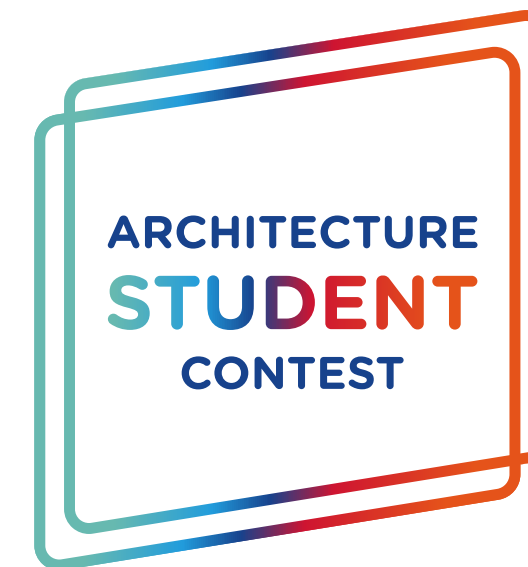




ARCHITECTURE STUDENT CONTEST

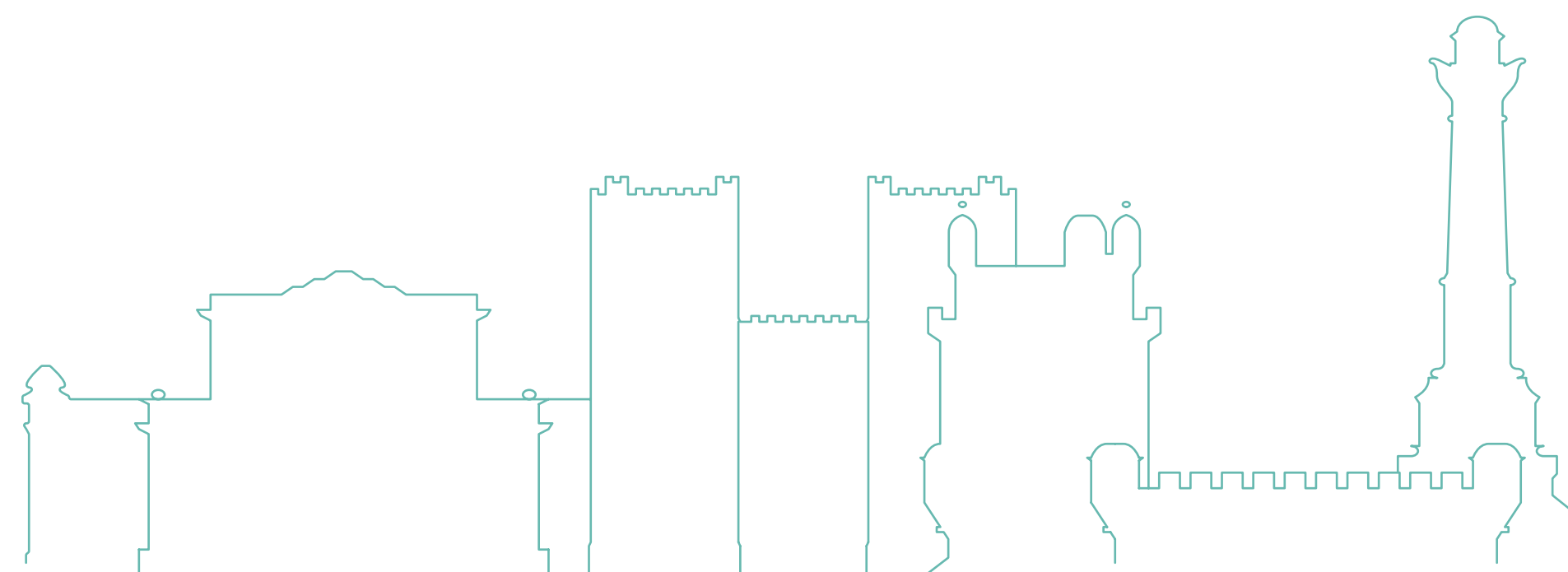
18th International Edition,
Lisbon, Portugal 2023

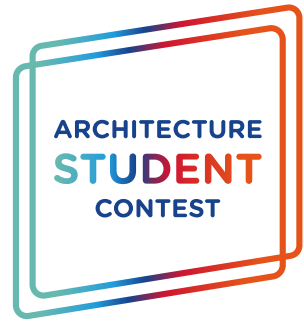




Lisbon, PORTUGAL

June 26th - 28th, 2023





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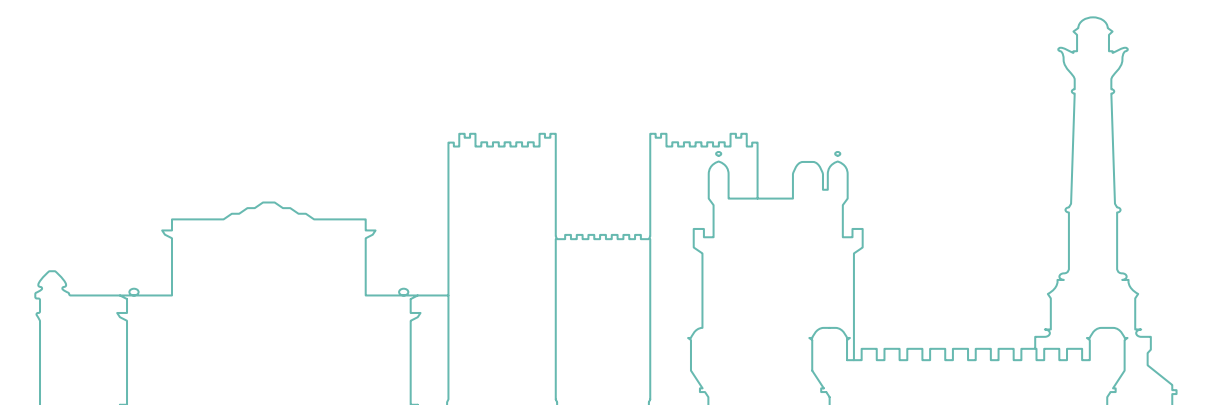
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INTRODUCTION

The **Architecture Student Contest** is an international competition based on Saint-Gobain's vision of sustainable buildings. It was first organized in 2004 by Saint-Gobain Isover in Serbia, and became an international event in 2005. **Today, it attracts more than 1,300 students in 30 countries.**

The competition is a great chance for architecture students to gain professional experience while discovering the importance of sustainability in modern construction. The success of students' projects depend on the ways in which it enhances the health and wellbeing of your building's occupants while reducing the use of carbon, energy and resources.



Benoit Bazin, Chief Executive Officer of Saint-Gobain who announced the 1st Prize winner at the Awards Ceremony on June 27th, mentioned:

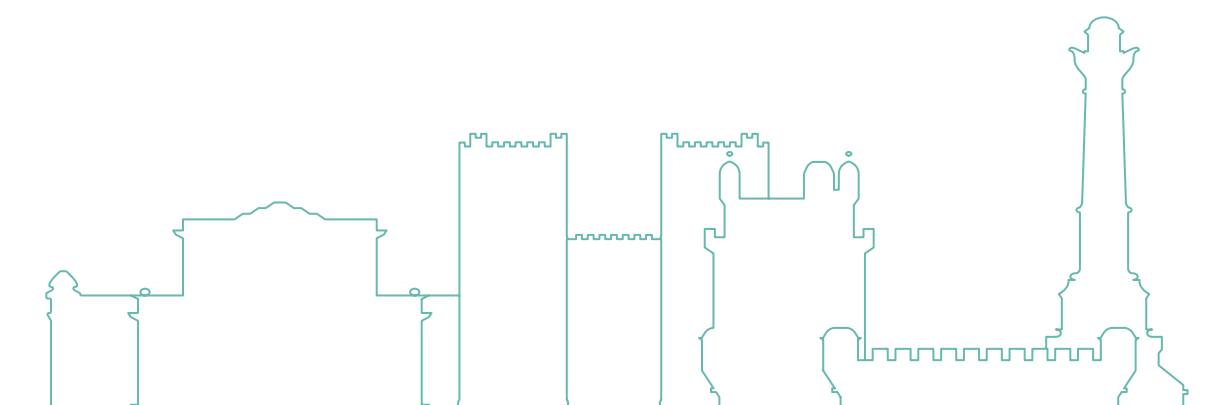
“At Saint-Gobain, we believe that buildings can and should deliver improved comfort, health and wellbeing, and at the same time reduce their footprint on our natural environment. In the context of global warming, scarcity of natural resources and growing urbanization, this is the exact meaning of our purpose: **MAKING THE WORLD A BETTER HOME.**

The Architecture Student Contest reflects on and tries to find answers to these issues. And I'm happy to see that it strikes a chord: this 18th edition in Lisbon attracted more than 1,300 students from 30 countries and 167 universities. This makes me particularly proud, because it shows the strong connection that Saint-Gobain has established over the years with the academic world and the architects.

To have a real impact, we must work jointly with all the value chain, and this is the point of the Contest. Through this competition, we offer students the possibility to work on real projects addressing the challenges of sustainable construction.”



Benoit BAZIN
Chief Executive Officer,
Saint-Gobain

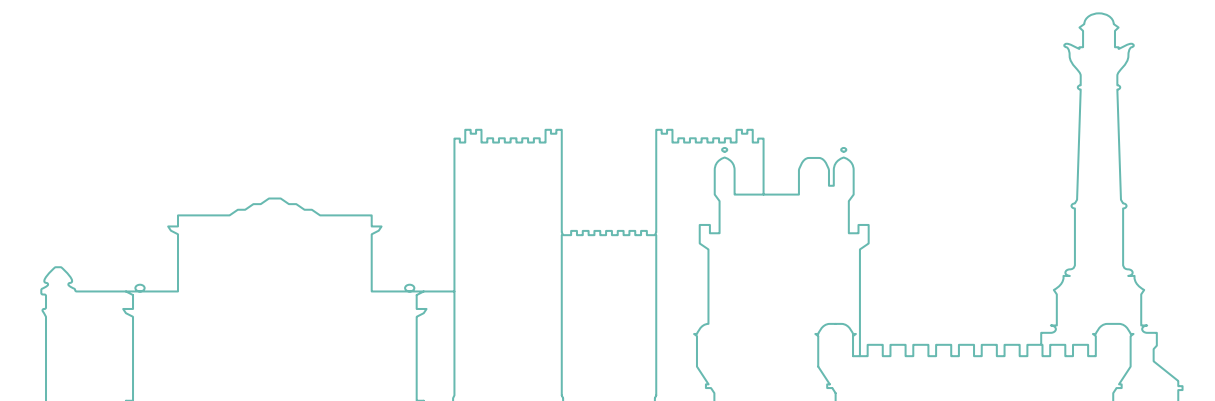




INTERNATIONAL JURY MEMBERS

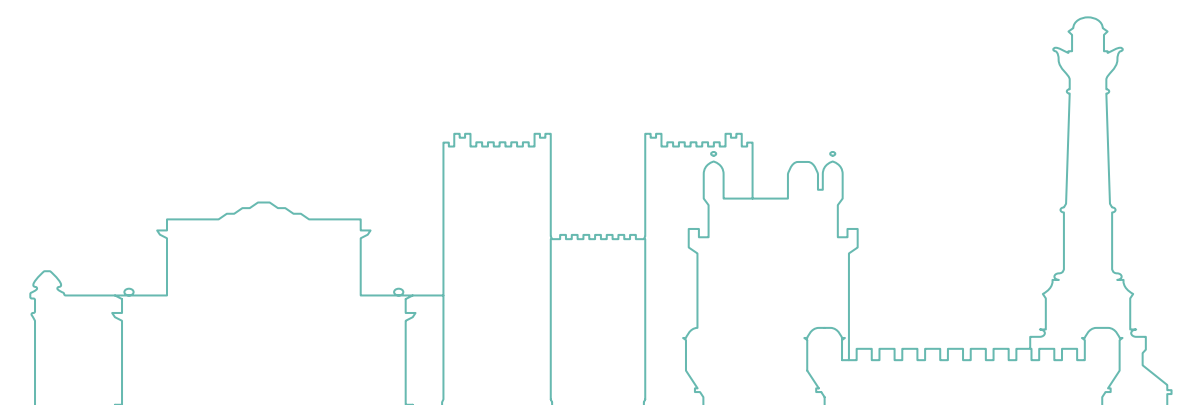
IN ALPHABETICAL ORDER:

- **BYRNE Gonçalo**, President of the Order of Architects of Portugal
- **CHEVILLOT Catherine**, President of the Cité de l'Architecture et du Patrimoine
- **CORTÉS DELGADO José Luis**, President of the International Union of Architects (UIA)
- **EVEILLARD Pasal**, Director of Sustainable Business Development, Saint-Gobain
- **GODINHO Sara**, Architect, Director of Public Spaces, Lisbon City Hall
- **GOLUMBEANU Gabriel**, Special Markets & Sustainability Public Advocacy Manager, Saint-Gobain Romania
- **FRAGOSO Rui**, Head of Building Management and Resource Efficiency, ADENE - Agency for Energy
- **NUGENT Audrey**, Director of Global Advocacy, World Green Building Council
- **TEIXEIRA João**, Architect, Director of Municipal Buildings, Lisbon City Hall



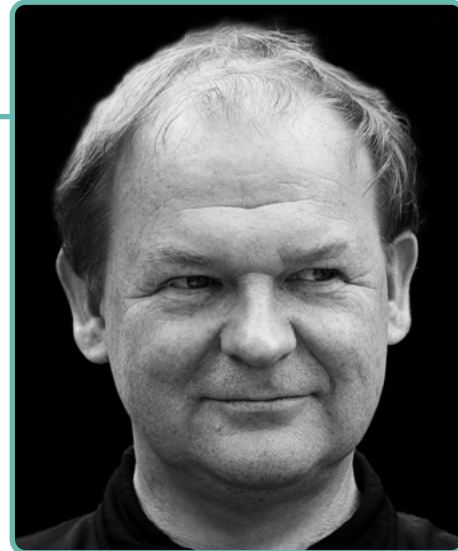


PROFESSORS





PROFESSORS



Mr JO JANSSEN

BELGIUM

Jo Janssen has been an active presence in the architecture scene of the Netherlands and Belgium since 1983. He founded his own architecture firm in 1990, called Jo Janssen Architects. Furthermore, he has been an academic teacher for a long time, starting in 1995 at Maastricht University. Now he teaches at the University of Hasselt, at the Faculty of Architecture in Belgium. With more than 40 years of experience, Jo Janssen is a very experienced supervisor with a very large collection of references and knowledge.



Mr LUCAS ARANGO

COLOMBIA

Architect (National University of Colombia 2007) Master in Architecture and Urbanism with emphasis on environmental behavior of urban spaces and buildings (UFSC-Brazil 2011). Doctor in Architecture and Urbanism with emphasis on passive building and energy efficiency (University of Bío-Bío Chile 2021). Currently works as professor in the Architecture degree program at UPB, in the Bioclimatic Master's program at USBMED, in the Bioclimatic Specialization program at UNICESMAG and in the Sustainable Habitat Master's program at JaverianaCali. Also works as bioclimatic consultant at LaB.



Ms HU ROSSANA

CHINA

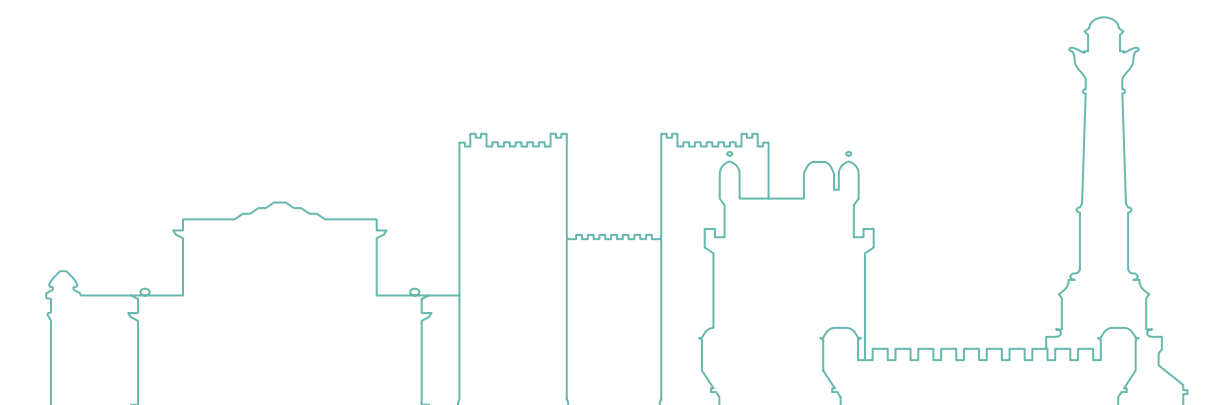
Rossana Hu is currently professor and chair of the Department of Architecture in the College of Architecture & Planning at Tongji University. Hu also taught as Design Critic in Architecture at the Harvard Graduate School of Design following her last appointment in 2019, as well as teaching as Eero Saarinen Visiting Professor at Yale School of Architecture in 2022 spring, where she received the distinguished Norman R. Foster Visiting Professor Chair in 2018. Alongside her deep commitment in architecture education, Rossana Hu is founding partner of Neri & Hu.

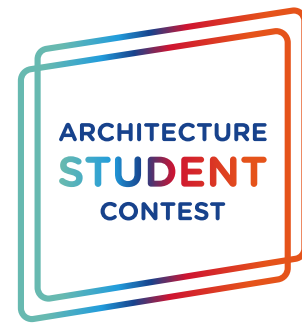


Mr LJUBOMIR MIŠĆEVIĆ

CROATIA

Born in 1954 and graduated from the Faculty of Architecture in Zagreb in 1979. Since 1979 has been working in the Institute of Architecture and as an associate at the Department of Architectural Design. Since 1991 has been teaching Energy and Ecology Architecture. He became a senior lecturer in 1994/95 and an assistant professor in 1996/97. Since 1997/98, has been a supervisor for Graduation thesis courses and in 1999/00 the head for courses in Integral Work. Completed the post-graduate program in Urban and Physical Planning in 1982; registered scientist.





PROFESSORS



Mr STARK MARTIN

CZECH REPUBLIC

Licensed architect, member of the CCA, publicist, and teacher who specializes in sustainable architecture. He is also a Czech Passive House Centre lecturer and an elected city council member. He is a graduate of the Architecture and civil engineering program at the Faculty of Civil Engineering, CTU in Prague during the study of which he had won the national stage of this contest twice. Currently, he is a teacher and researcher at the Department of Architecture at CTU, using his experience and enthusiasm to guide young students on their paths to becoming architects.



Mr PETRI AARINO

FINLAND

Petri Aarnio M.Sc. (Arch.) 1994, University of Oulu, Finland. Worked in architecture offices 1983-2002. Since 2002 full time university teacher in the University of Oulu in the Laboratory of Building Design, Architectural construction focusing on wooden buildings, housing, energy efficiency and sustainability. A member of executive team of Oulu School of Architecture, several positions in the national lobbying organizations like in the Finnish Association of Architects SAFA and the Academic Engineers and Architects in Finland. Involved in Saint Gobain Student Contest as a teacher since 2012.



Ms IRINA RAUD

ESTONIA

Born in Tallinn, Estonia, studied architecture at Academy of Arts (ERKI), department of Architecture. 1969 - 1989 architect in state office Eesti Projekt 1989 - 1991 Vice Mayor of Tallinn and Tallinn Chief Architect 1992 - ... CEO of R-KONSULT 2012 - ... professor Tallinn University of Technology 2013-2016 Head of Architecture and Urban Design Department During all the years she has maintained a focus on urban planning, architectural and design projects. Her works started from very big scale to small details, following the projects from idea to realisation.



Mr DOMINIQUE LEFAIVRE

FRANCE

Dominique LEFAIVRE, 60, is an outstanding professor of civil engineering at the ISA BTP engineering school in Anglet, France. He is an alumnus of ENS Cachan, a chevalier de l'ordre des palmes académiques, and holds a DEA in soil mechanics from the Ecole Centrale de PARIS. From 2018 to 2021, he will lead the CLIMATE KIC "ENERGY EFFICIENCY BUILDING LAB" European project, with the support of 100 private players, the Prefect and the ILE DE FRANCE Region: the EUROPEAN HUB "URBAN & RURAL RENOVATION-Buildings for the 21st century" becomes the European network head of the "1 MILLION ZERO CARBON HOMES" program.





PROFESSORS



Mr ERIC RÖTHELE

GERMANY

Studied architecture at University of Applied Sciences Darmstadt, Diploma 2003. 2009 Expert for thermal building physics and energy. 2011 certified passive house planner & trainer, Passive House Institute, Darmstadt. 2018 certificate resource optimization with Association of German Engineers. 2020 Advanced training in didactics and university teaching. From 2019 until March 2023 Professor of Energy Design and Energy Efficiency for Building in planning and construction process, Frankfurt University of Applied Sciences. Since 2020 Managing Director of ERNA office.



Mr JACKY THIODORE

INDONESIA

Jacky Thiodore M.Arch. IAI. graduated from The Bartlett, University College London. He has been teaching for 8 years at Universitas Pelita Harapan. He coordinated UPH Architecture's Technology Research Group and won the Autodesk ASEAN Future Pillar Award 2021. His works about computational design were exhibited in national exhibitions and international conferences. He is principal architect of Theta Indonesia, succeeded in realizing several national projects, such as Jakarta International Stadium. He has achieved the designation of Greenship Professional and shows concerns about sustainability



Ms TANYA AGARWAL.

INDIA

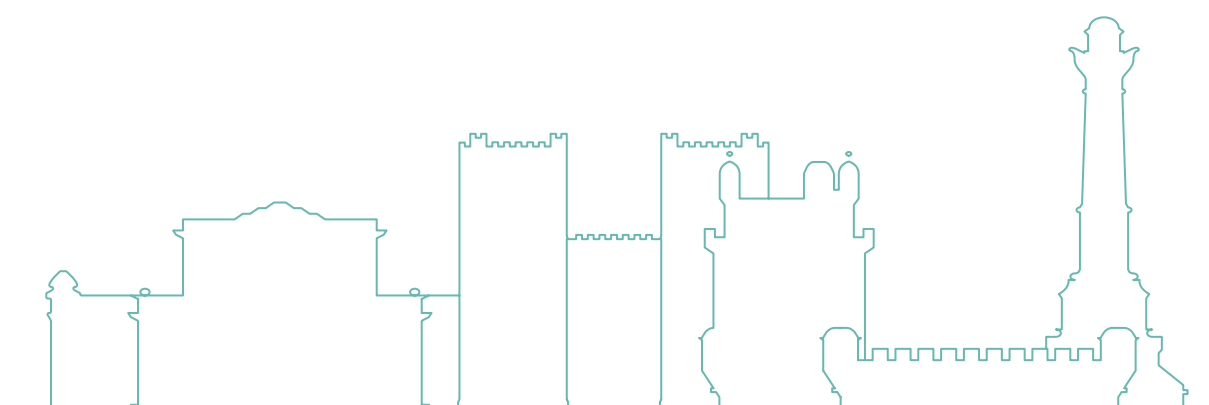
Tanya Agarwal is an assistant professor at Sushant university and completed her bachelors from the Apeejay Institute of Technology (Greater Noida) in 2015 and has completed her master's degree in urban planning from CEPT University in 2017. Working as a full-time faculty since 2018, she has engaged in academics and research in areas of Urbanism, Site Planning and projects. Her interest areas include inclusive urban spaces in Indian cities.



Mr ANDREA CAMPIOLI

ITALY

Andrea Campioli (1962), architect, PhD in Architectural Technology, since 2005 he has been full professor in Architectural Technology at the Politecnico di Milano where he carries out research activities in the Department of Architecture, Construction Engineering and Built Environment (ABC) and teaching activity in the degree course in "Architecture planning" and in the master's degree course in "Architecture" of the School of Architecture Urban Planning Construction Engineering (AUIC).





PROFESSORS



Ms TATYANA INOZEMTSEVA

KAZAKHSTAN

I, Inozemtseva Tatiana Alexandrovna, was born on February 26, 1975 in the city of Ust-Kamenogorsk, East Kazakhstan region, Republic of Kazakhstan in a family of engineers. In 1992, she successfully graduated from secondary school No. 39. In the same year she entered the Ust-Kamenogorsk Construction and Road Institute for the specialty "Architecture". In 1996, the Building and road construction Institute was reorganized into the East Kazakhstan Technical University, from which she graduated with honors in 1997. Qualified as an architect.



Mr EDGARS BONDARS

LATVIA

Teacher and researcher at the Faculty of Architecture at Riga Technical University. Professional degree of Architect (2008), Master of Architecture (2009), Doctor of Architecture (2013) on the theme "Design of Spatial Environment in the Context of Bioclimatic Factors". Research fields: bioclimatic design, energy efficiency strategies in architectural design.



Mr BERDIBEKOV ATANTAY

KYRGYZSTAN

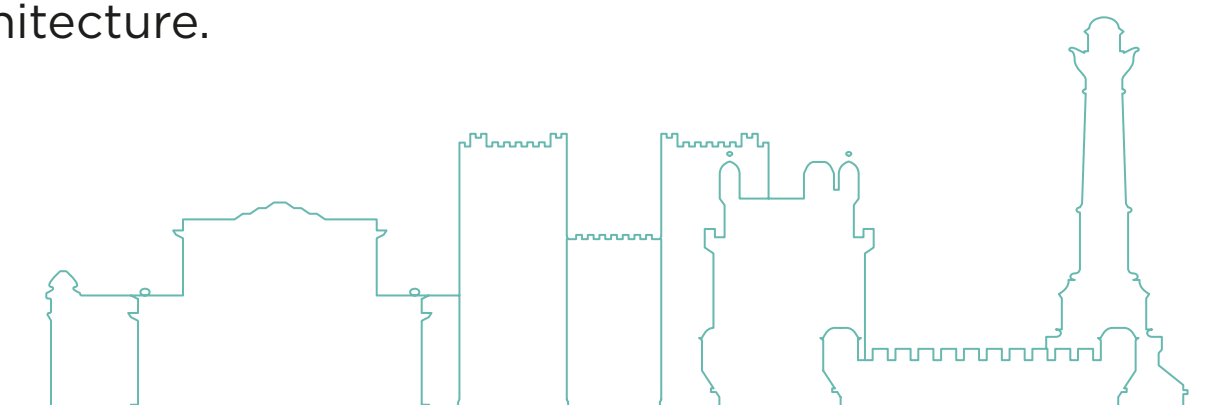
I, Berdibekov Atantai Berdibekovich, born on February 27, 1996, a native of Naryn, the Kyrgyz Republic. In 2003 I entered general education school N°9 in Naryn. In 2012, he graduated from the school 9th grade and entered college #87 in Naryn. In 2015 he graduated with red diploma and entered KSUCTA at the Faculty of Architecture in Bishkek. Graduated with a Bachelor's degree with honors in 2020 and entered the master's program at KSUCTA in Bishkek. In 2020 graduated with honors from the master's program. Since 2020 till now, I have been working as a teacher at KSUCTA in Bishkek.

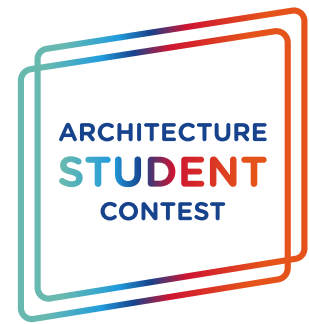


Mr ANTOINE YOUNAN

LEBANON

Architect professor with over 30 years of experience, studied at USEK, Strasbourg & Laval University. Worked on urban design projects in Lebanon, the Gulf & Europe partnering with high ranked firms such as PARSONS, COWI & HALCROW. In 2003 he founded YDESIGN with ETEC & ACT-KSA & collaborated on major projects like the city center of Yanbu Al-Sinayah. Winner of several awards, he directed many students' competitions & got published in various architecture journals. He participated in conferences with European universities and the American Association of Collegiate Schools of Architecture.





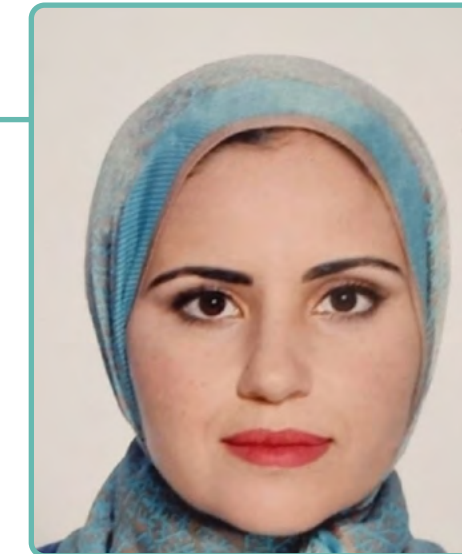
PROFESSORS



Mr RIMANTAS GIEDRAITIS

LITHUANIA

Rimantas Giedraitis (b. 1974) Architect, associate professor. Owner of the architecture company "Giedraitis & architektai" Head of the Department of Architecture, Vilnius Academy of Arts Kaunas Faculty.



Ms NADA ES-SELLAK

MOROCCO

2016-Doctorate in Urban Planning, Urban Governance Territories (INAU) // 2007-Architect graduated ENA Rabat, 1st year of the Master in Urbanism at the Paris Institute of Urbanism // 2006-Equivalence of the master's degree in architecture from the University of Paris12-Val de Marne Paris France // 2020-Academic advisor ENA Fez // 2017-Assistant Professor at ENA Fez // 2013/2017-Project manager at agency of development and rehabilitation of Fez // 2010/2013-Craftsmanship-Fez Medina Project management Ministry of the Interior, the Millennium Challenge Corporation // 2007/2010-The general real estate compagny



Mr VICTOR ALBERTO ARVIZU PIÑA

MEXICO

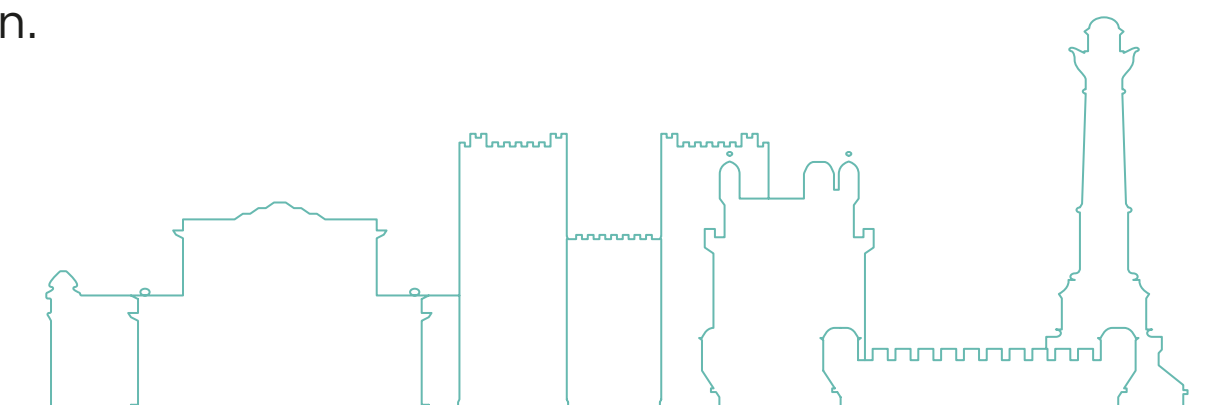
Víctor Alberto Arvizu Piña PhD in Architecture, Energy and Environment from the Polytechnic University of Catalonia. He has specialized in sustainability, energy efficiency and environmental impact of buildings. He has worked as a designer, environmental and energy efficiency consultant in various architectural and urban projects. He is part of the Mexican National System of Researchers (SNI). His research has focused on Life Cycle Assessment in the building sector. He is currently Coordinator of the Specialty in Energy in Sustainable Building at the Universidad Iberoamericana Mexico City.



Ms ANNA BAĆ

POLAND

Anna Bać and Lea Kazanecka-Olejnik are architects and teachers at the Wrocław University of Science and Technology. Anna is the owner of Synergia design studio. Passionate about responsible and sustainable design, she promotes and teaches creating sustainable projects which maintain the balance between a society and its environment. Lea promotes implementation of changeability and individualization of space through initiatives addressed to both professionals and local communities. Together they advocate for human and environment centered design based on collaboration.



PROFESSORS



**Ms MARIA CLARA
DE CARAVLHO PIMENTA DO VALE**

PORTUGAL

Architect by University of Porto (1991), specialized in building physics and Portuguese 20th-century construction history. She holds a MSc in Building Construction by Faculty of Engineering (1999) and a PhD in Architecture (2012). Assistant Professor at the Faculty of Architecture, member of the FAUP Executive Board, a Deputy Director of CEFA - Centre of Studies of the Faculty of Architecture, Integrated Researcher of CEAU - Centre of Studies of Architecture and Urbanism and member of DFL- Digital Fabrication Lab and PACT- Architectural Heritage of the City and the Territory.



Mr DUŠAN IGNJATOVIĆ

SERBIA

Dušan Ignjatović graduated from the Faculty of Architecture of the University of Belgrade as a student of the generation. He is a full professor at the Faculty of Architecture, University of Belgrade, visiting professor at the Faculty of Technical Sciences in Kosovska Mitrovica. His professional and scientific interests are related to design, energy efficiency, green architecture and building renovation. He is the holder of a license for design, Thermal imaging ITC Level 1, LEED GA green building certification and Energy efficiency - zero license.



Mr RADU ANDREI

ROMANIA

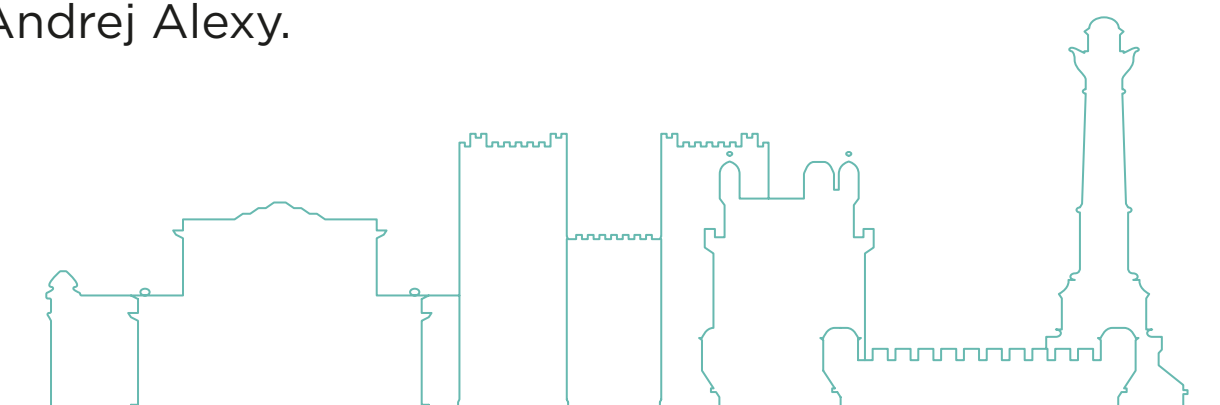
Radu Andrei graduated in 2004 the "G.M. Cantacuzino" Faculty of Architecture of the Technical University in Iasi, where he is lecturer teaching architectural rehabilitation, heritage preservation and restoration. His publications and research interests are in the fields of industrial heritage conversion, historical urban studies, ecological low-tech architecture as well as architectural theory. He has over 19 years of experience in teaching design studio and became in 2020 a member of ACTUM association, which runs restoration interventions of the Ambulance for Monuments in North Romania.

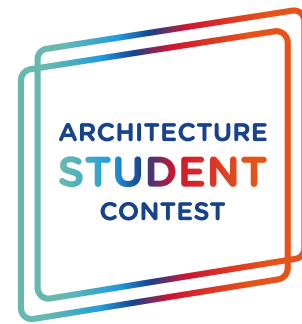


Mr MICHAL BOGÁR

SLOVAKIA

Architect and urbanist, graduated from the FAD STU in Bratislava. He is co-founder of studio BKU (1990) and in 2018 he founded his own studio BOGÁR architects together with Maria Bogárová. His most important works include the Liturgical space for the Holy Mass of Pope Francis, Šaštín (with ER, 2021), the Embassy of the Slovak Republic, Washington, D.C. (BFKLU, 2001), etc. He is the co-author of several books, e.g. Bratislava Metropolis (Dominique Perrault + BKU, 2014). Starting in 2018, he works as a teacher and researcher at STU, where he runs a vertical studio together with Andrej Alexy.





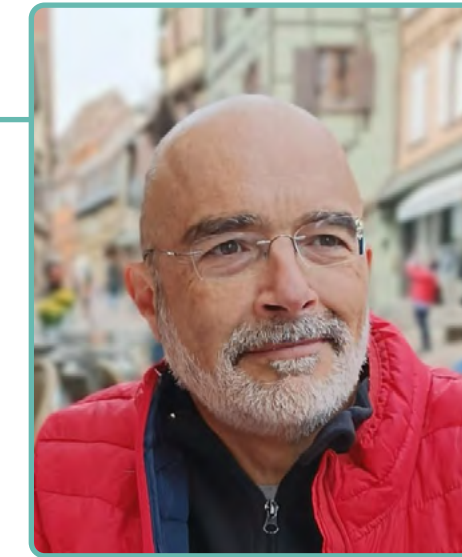
PROFESSORS



Ms NADIA LLOYD-LISTER

SOUTH-AFRICA

Nadia Lloyd-lister achieved her M.Arch (Architecture Professional) in 2014 at Tshwane University of Technology, South Africa. She has 8 years industry experience, founding her own practice in 2019 and becoming a part-time lecturer in 2020. Selected as an international participant at EASA (European Architecture Student Assembly) 2013 in Slovenia. She finds teaching a gratifying privilege and realised architectural projects humbling, therefore equally optimistic and cynical about architecture's ability to change the world.



Mr CARLOS BARDERÀ ESCOÍ

SPAIN

Carlos Barberà, a native of Castellón, graduated in Mathematics and PhD from the Rovira i Virgili University (Tarragona). Its first actions in sustainability begin in 2008 with the projection and execution of a 170kW photovoltaic installation. In 2010 he started a project that culminated in 2012 with the participation in the Solar Decathlon contest. Other diverse sustainable actions such as planning cycle lanes in the city of Reus and energy audits for educational centers.



Ms CHUNGYEON WON

SOUTH-KOREA

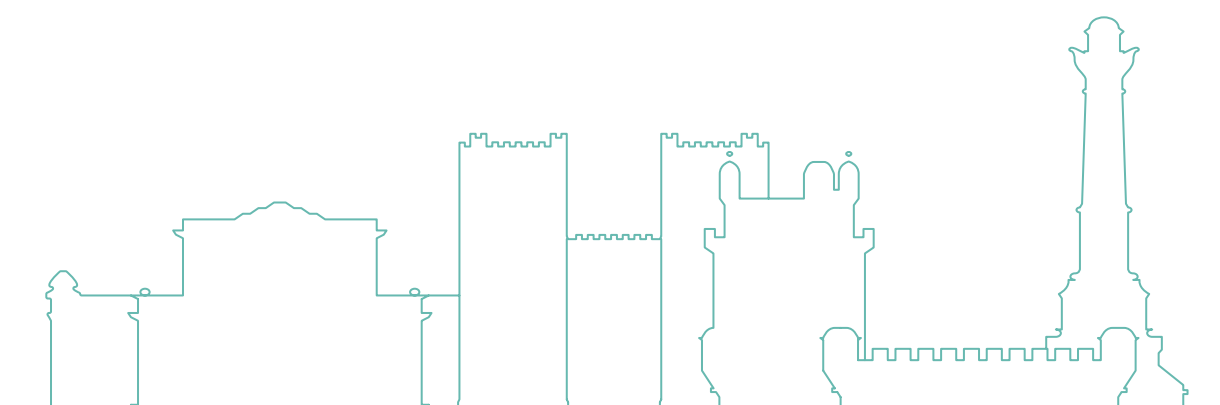
ChungYeon Won is an associate professor at the Department of Architecture in Korea University and runs a practice-based architecture design lab called A.D.R.P. She completed her undergraduate and master's degrees in Architecture from Engineering Department of Korea University, and her second master's degree from the University of Pennsylvania. Before joining Korea University, she worked as the Associate Director of the S.O.M. (Skidmore Owings & Merrill) New York office, where she successfully led complex urban projects worldwide.



Mr SERGEY NIVIN

UKRAINE

Nivin Sergey Ivanovich, was born on 23.11.1947 in the city of Lviv. From 1970 to 2013, worked as an architect in Kyiv. During this time, Sergey developed projects for schools and school complexes, hotels, residential buildings and residential quarters, youth and sports complexes, offices, temples, exhibition pavilions, city center of Slavutich, and individual objects of this center. He regularly participated in republican and international architectural competitions. From 2011 to the present, He has been working as a lecturer at the Kyiv National University of Construction and Architecture.





PROFESSORS



Ms BHAKTI MORE

UNITED ARAB EMIRATES

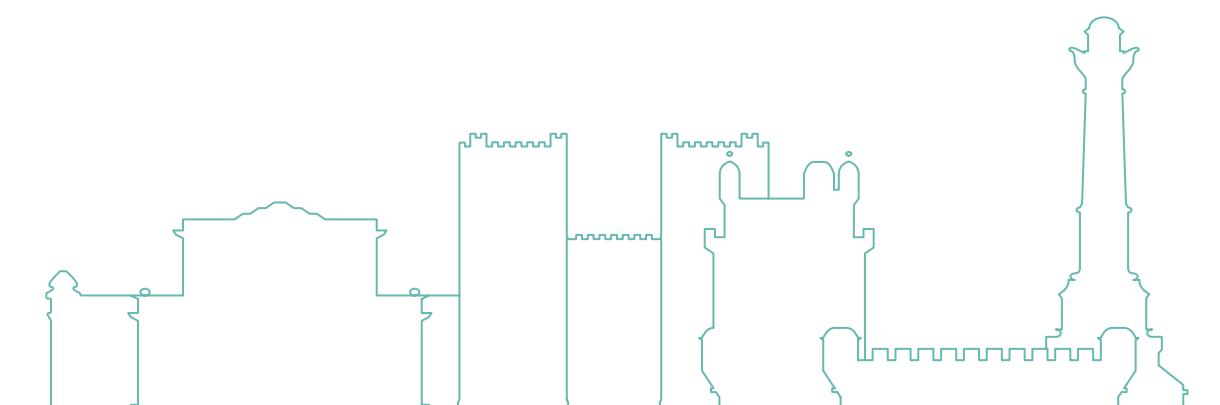
Dr Bhakti More is Chairperson, School of Design & Architecture, Manipal Academy of Higher Education Dubai and has pursued doctoral studies, University of Salford, Manchester, UK. She coordinates MECS students club which received consecutive awards, Best Sustainable Green Campus Audit, Best Sustainability Action Project from Environment Agency Abu Dhabi, and coordinates MAHE Dubai Climate Action Plan UNFCC, Race to Zero and has led "Team Tawazun", Solar Decathlon Middle East 2021. She has received "Best Coordinator" by Environment Agency Abu Dhabi

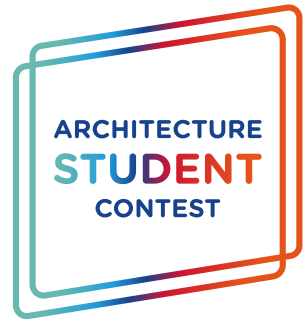


Mr JONATHAN KNOWLES

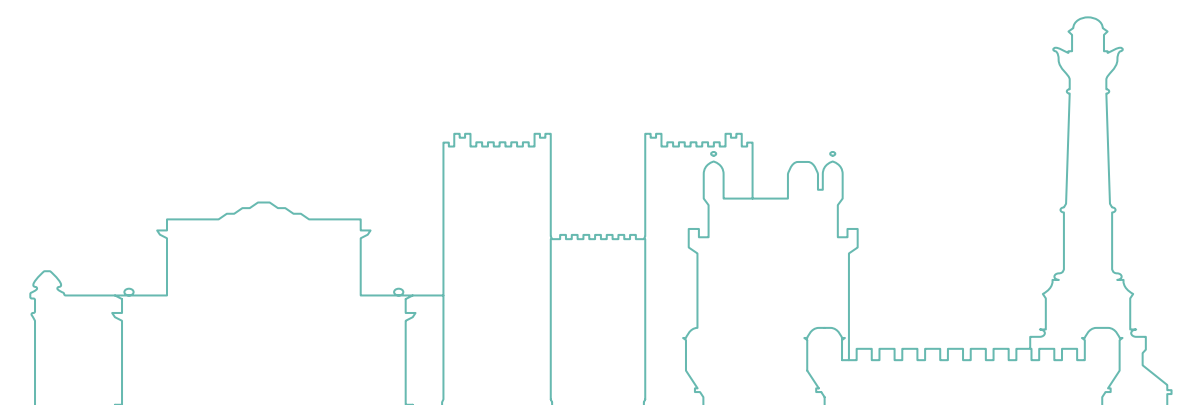
UNITED STATES

Professor Knowles has been teaching at RISD since 2001. Prior to joining RISD. His design studios and technology seminars are devoted exclusively to the subject of performative architecture, defined as buildings that produce energy exclusively through the form of the building and the makeup of the enclosure. He was project director for both RISD's 2005 Solar Decathlon entry in Washington, DC and RISD's 2014 Solar Decathlon entry in Versailles, France. Professor Knowles is also a partner at BriggsKnowles A+D, a firm dedicated to the design and construction of net.





WINNERS 2023





WINNERS 2023

🏆 1ST PRIZE

SOUTH
KOREA



TEAM N°29
*Korea
University*



Student team



**Se kwang
KIM**



**Hyemin
NA**

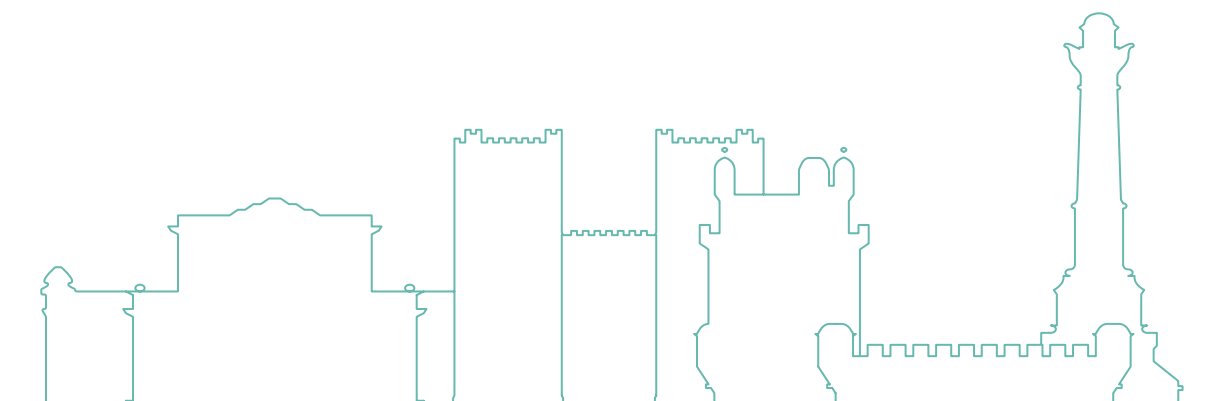


**Iana
KIM**

Professor



**Ms Chungyeon
WON**

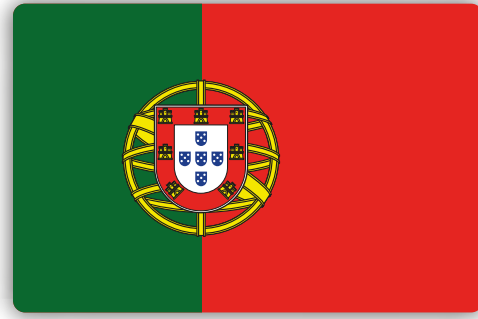




WINNERS 2023

🏆 2ND PRIZE

PORTUGAL



TEAM N°1

*Faculty of Architecture
of the University of Porto*



Student team



**Mariana
SOUSA**

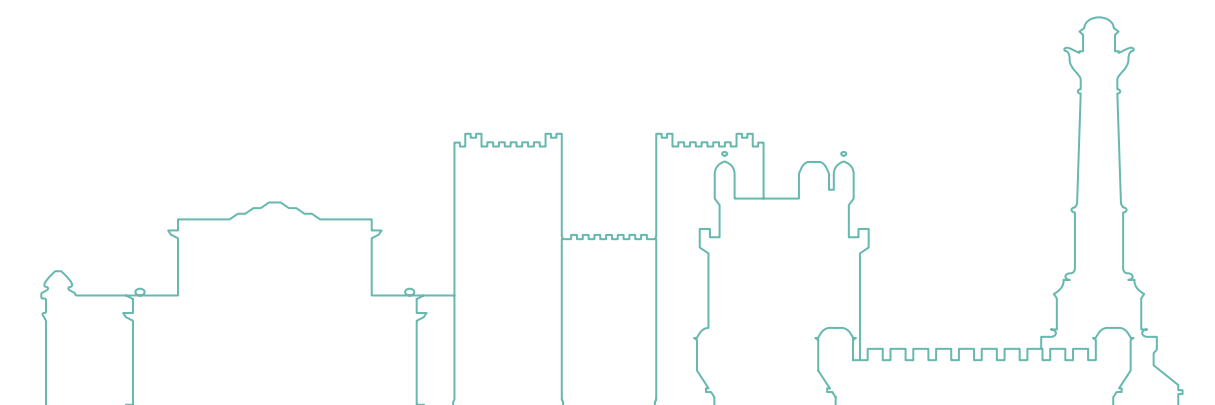


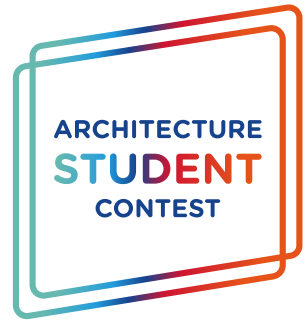
**Rafael
GONÇALVES**

Professor



**Ms Clara
PIMENTA DO VALE**





WINNERS 2023

🏆 3RD PRIZE

MEXICO



TEAM N°26
*Ibero-American
University of Mexico*



Student team



**Alejandro
GUTIERREZ**

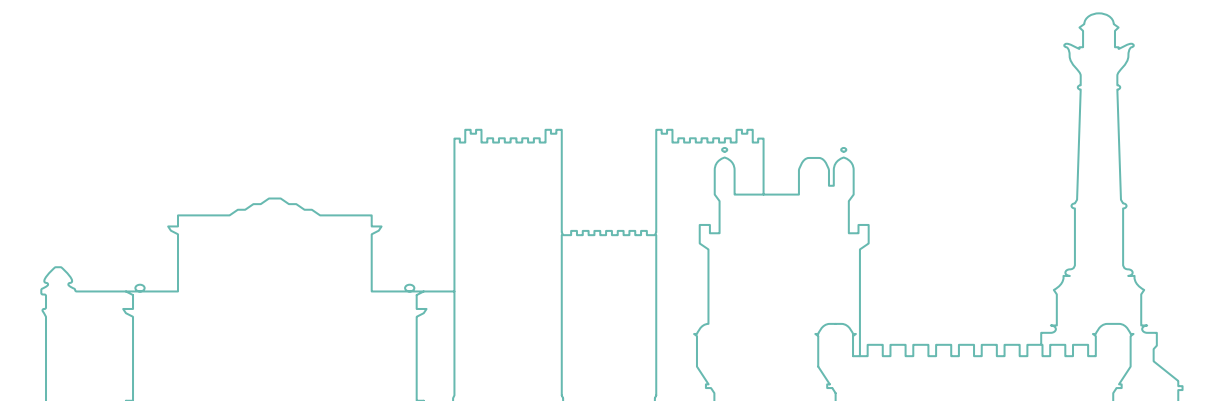


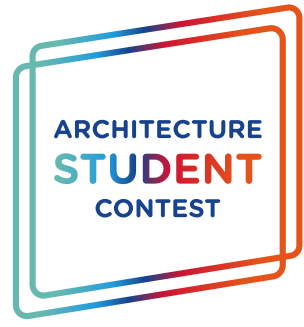
**Iñigo
ARTIGAS**

Professor



**Mr Victor Alberto
ARVIZU PIÑA**





WINNERS 2023

SPECIAL PRIZE

COLOMBIA



TEAM N°30

Pontifical Bolivarian University



Student team



**Conchita
ESCOBAR**

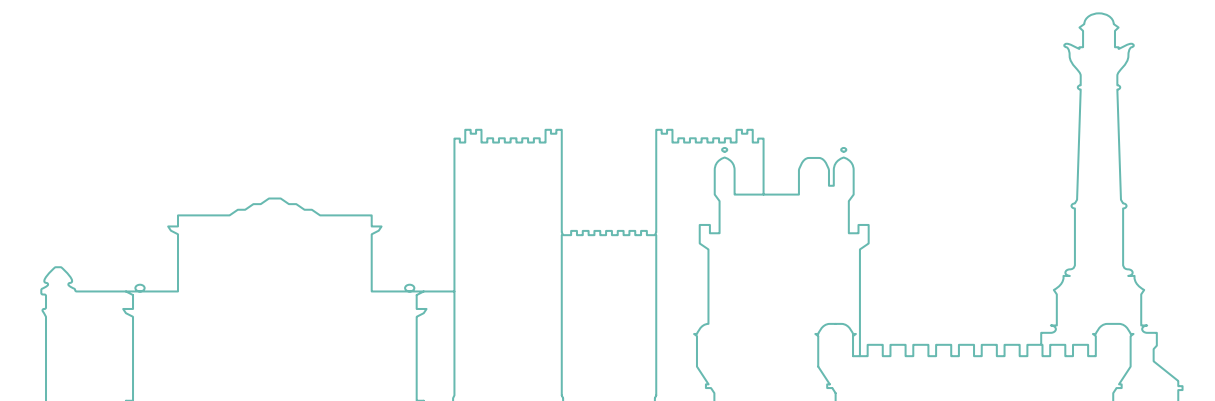


**Raquel
BERNAL**

Professor



**Mr Lucas
ARANGO**





WINNERS 2023

STUDENT PRIZE

POLAND



TEAM N°11

*Wroclaw University
of Science and Technology*



Student team



**Magdalena
KAZULAK**

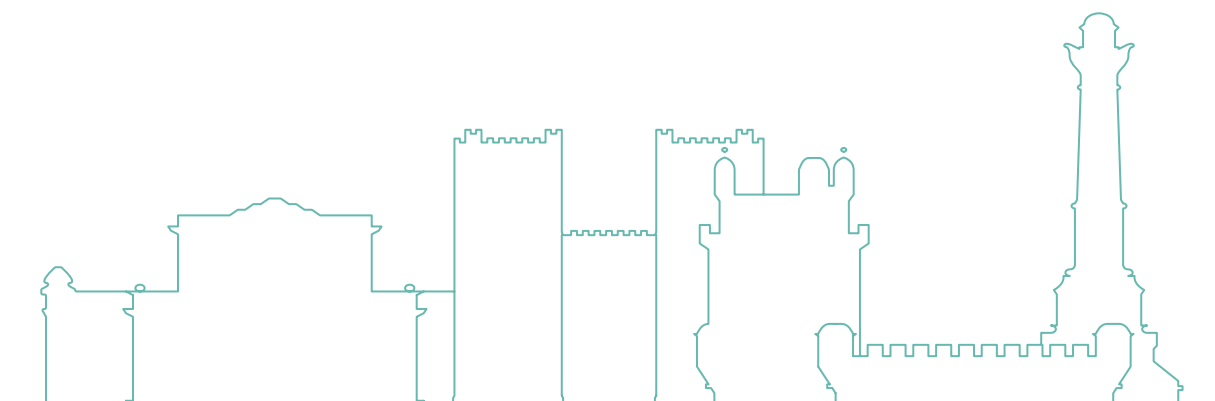


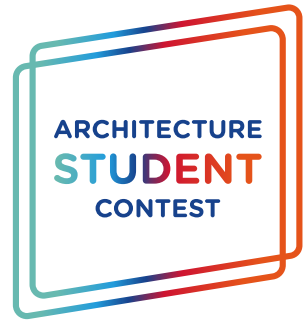
**Konstancja
STANIECKA**

Professor

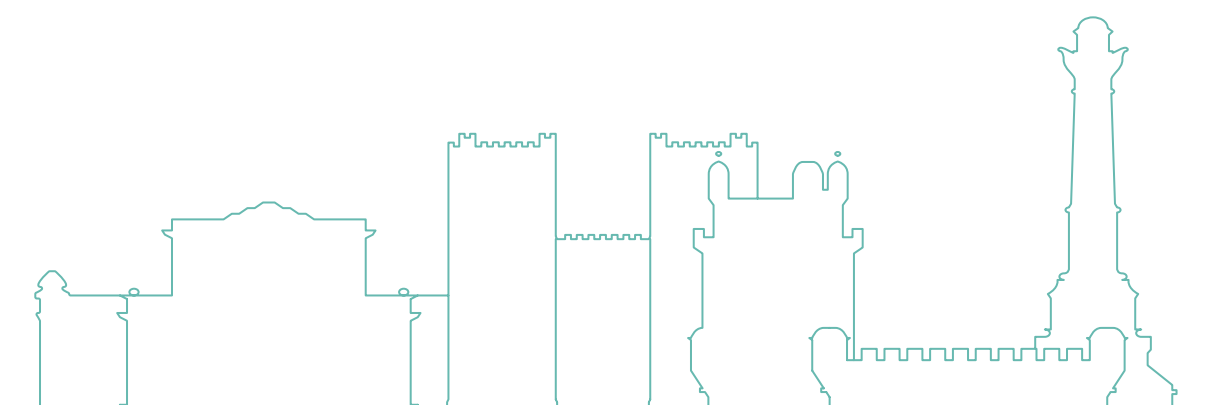


**Ms Anna
BAĆ**





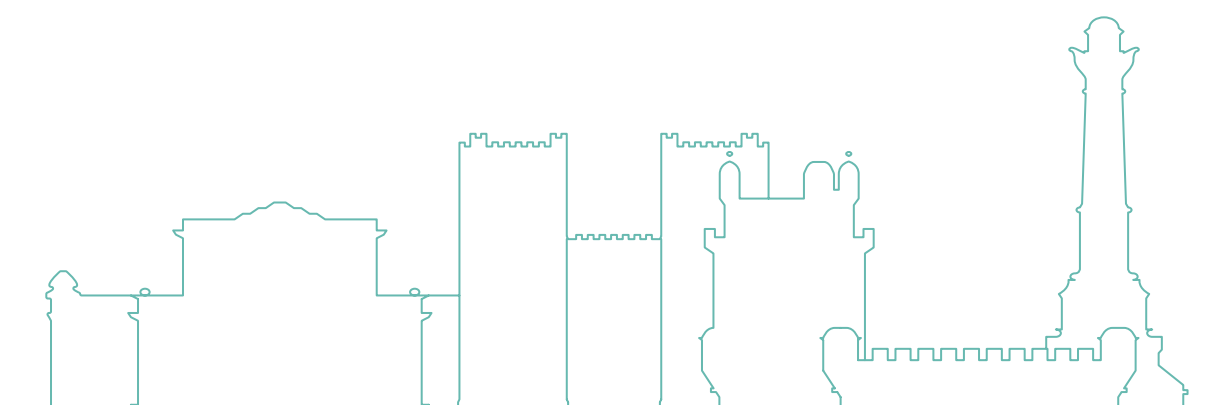
PARTICIPANTS





PARTICIPANTS

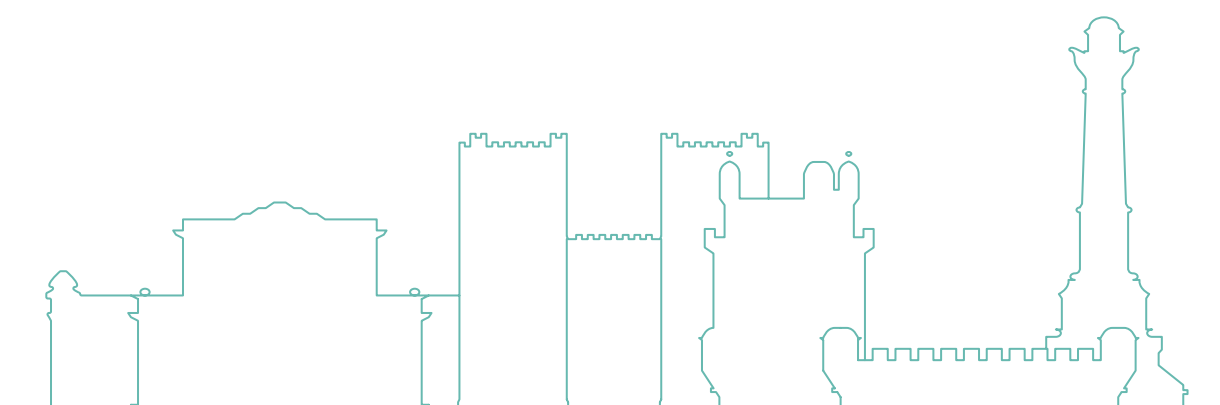
- **TEAM N°1:** Mariana Sousa, Rafael Gonçalves, **PORTUGAL** 🏆 **2ND PRIZE** p.24-25
- **TEAM N°3:** Jérôme Rens, Sergi Ruperez Ariza, Jose Miguel Lopez Hurtado, **SPAIN** p.26-27
- **TEAM N°4:** Laura Lichtblau, Nadja Bauer, **GERMANY** p.28-29
- **TEAM N°5:** Heini Kyttälä, Krista Rautaoja, **FINLAND** p.30-31
- **TEAM N°6:** Alina-Madalina Lacatusu, Ana-Maria Nitica, **ROMANIA** p.32-33
- **TEAM N°7:** Martina Orio, Beatrice Nacci, Claudia Nosedà, **ITALY** p.34-35
- **TEAM N°8:** Vlad Snihur, Kyrylo Provotorov, Daniil Pylypchuk, **UKRAINE** p.36-37
- **TEAM N°9:** Naïs Ballereau, **FRANCE** p.38-39
- **TEAM N°10:** Greta Grbavac, Petra Ferenčić, **CROATIA** p.40-41
- **TEAM N°11:** Magdalena Kazulak, Konstancja Staniecka, **POLAND** 🏆 **STUDENT PRIZE** p.42-43
- **TEAM N°12:** Iva Živković, **SERBIA** p.44-45
- **TEAM N°13:** Hajar El ammari, Oumayma Babakhouya, Saad Benlabhili, **MOROCCO** p.46-47
- **TEAM N°14:** Lucie Formanová, **CZECH REPUBLIC** p.48-49
- **TEAM N°15:** Karl Toomas Radik, Matthias Veski, **ESTONIA** p.50-51

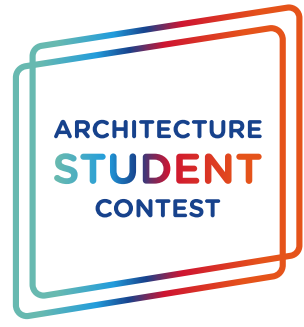




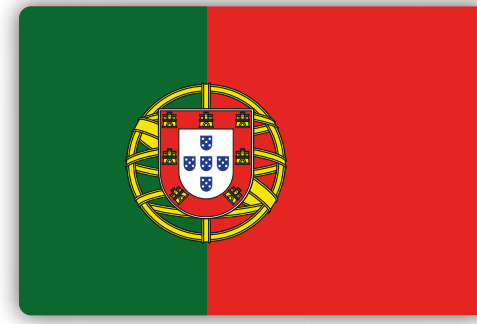
PARTICIPANTS

- **TEAM N°16:** Angela Hanna, **LEBANON** p.52-53
- **TEAM N°17:** Sofija Anna Freisa, Liene Sondore, **LATVIA** p.54-55
- **TEAM N°19:** Gabrielė Ibėnaitė, **LITHUANIA** p.56-57
- **TEAM N°20:** Sandra Blaškovičová, Martina Bežová, **SLOVAKIA** p.58-59
- **TEAM N°21:** Kashyapi Shah, Diyaa Khan, Goutham Chandra, **UNITED ARAB EMIRATES** p.60-61
- **TEAM N°22:** Kerim Asylbekov, Kylymbek Narynbekov, **KYRGYZSTAN** p.62-63
- **TEAM N°23:** Xuhan Zhao, **UNITED STATES** p.64-65
- **TEAM N°24:** Shruti Bansal, **INDIA** p.66-67
- **TEAM N°25:** Galina Lyapunova, Alexandra Shulmina, **KAZAKHSTAN** p.68-69
- **TEAM N°26:** Alejandro Gutierrez, Iñigo Artigas, **MEXICO** 🏆 **3RD PRIZE** p.70-71
- **TEAM N°27:** Ethan Schneiganz, Dylan Du Plessis, **SOUTH AFRICA** p.72-73
- **TEAM N°28:** Jessica Sanusi, Vincent Alexis Sutjianto, Tjia, William Ferdinand, **INDONESIA** p.74-75
- **TEAM N°29:** Se kwang Kim, Hyemin Na, Iana Kim, **SOUTH KOREA** 🏆 **1ST PRIZE** p.76-77
- **TEAM N°30:** Conchita Escobar, Raquel Bernal, **COLOMBIA** 🏆 **SPECIAL PRIZE** p.78-79
- **TEAM N°31:** Yang Shuhan, Ying Yue, Zhang Hanqi, **CHINA** p.80-81
- **TEAM N°32:** Bram Bemelmans, Caitlin Valkenborgh, Thorsten Augustus, **BELGIUM** p.82-83





Portugal



TEAM N°1

*Faculty of Architecture
of the University of Porto*

 **2ND PRIZE**

Student team



**Mariana
SOUSA**

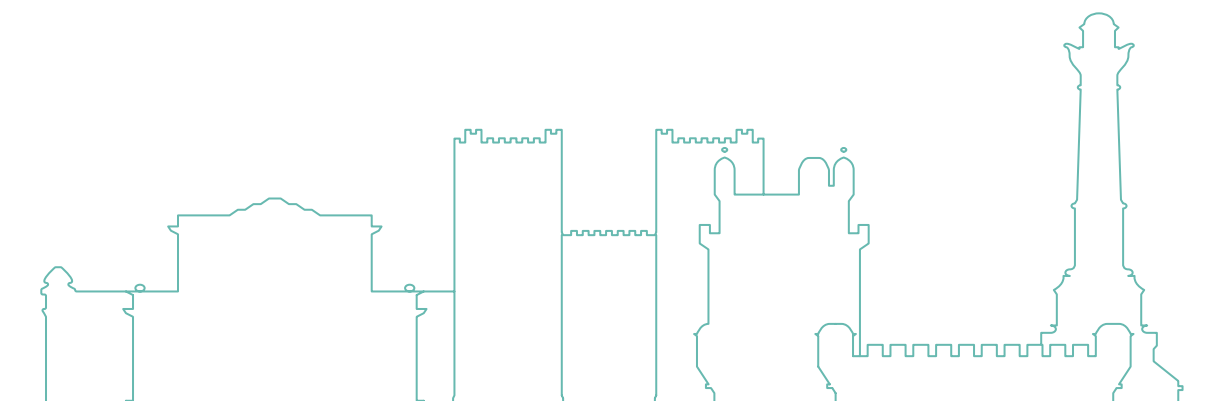


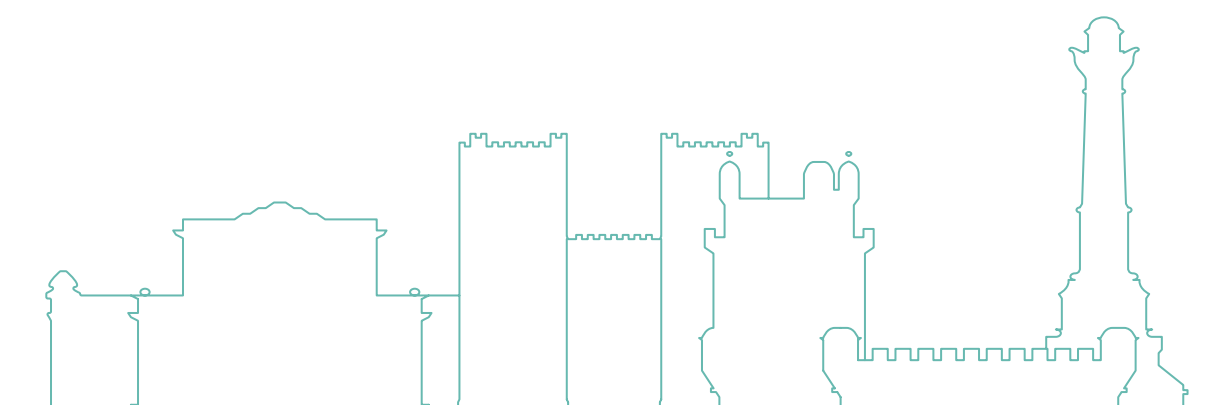
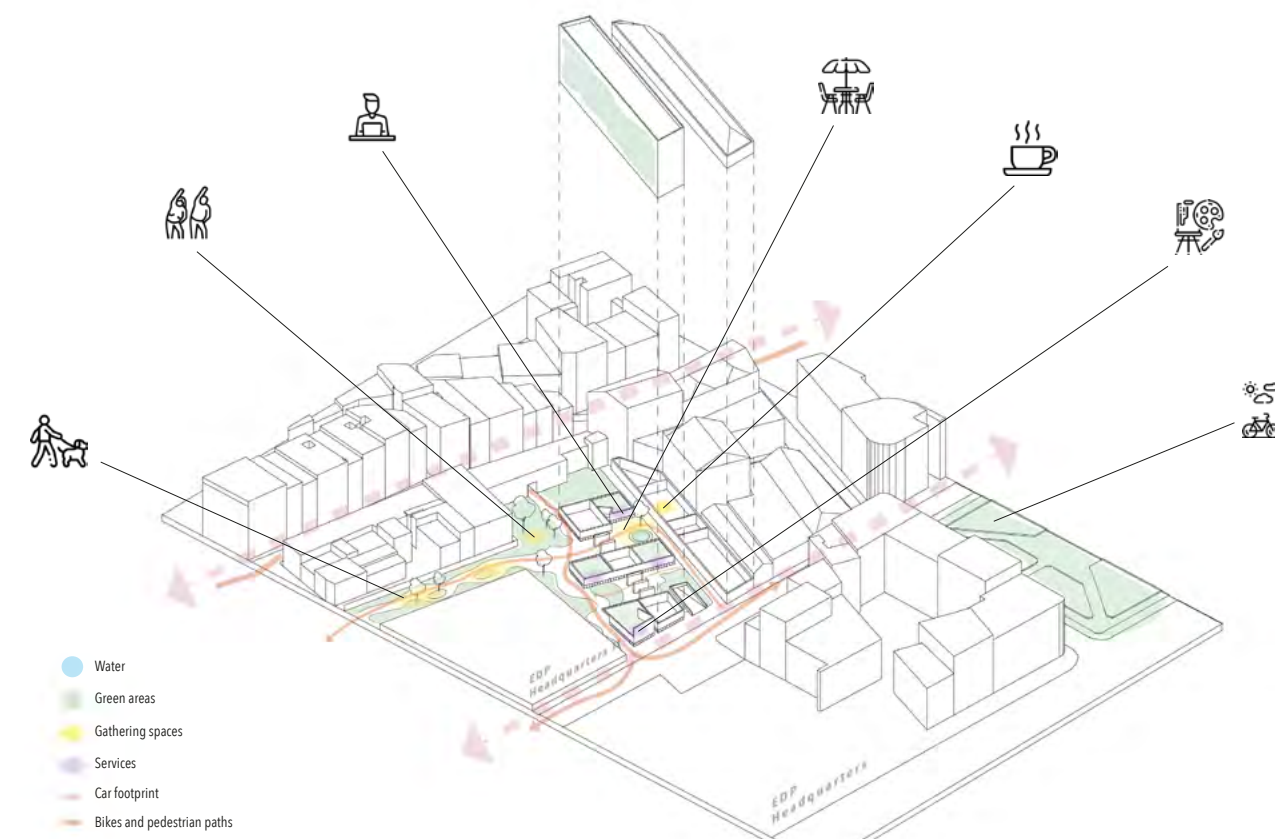
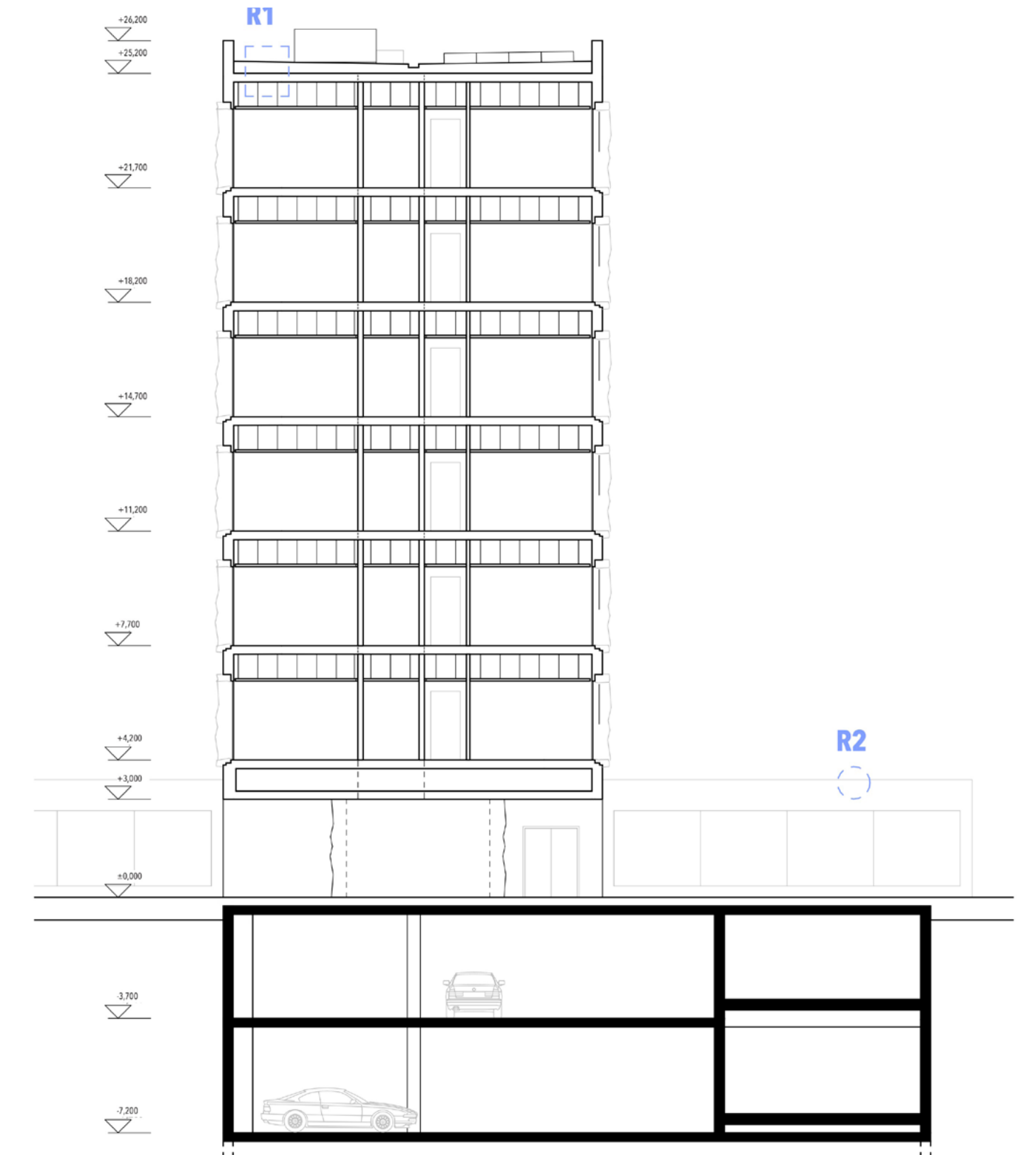
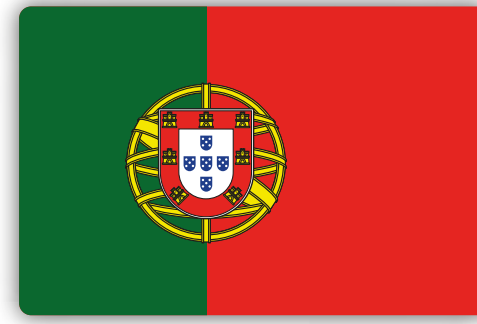
**Rafael
GONÇALVES**

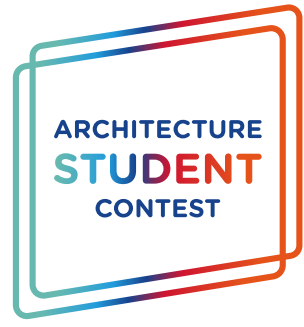
Professor



**Ms Clara
PIMENTA DO VALE**





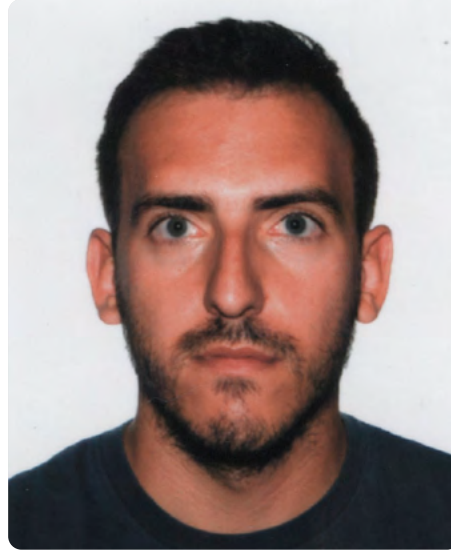


Spain



TEAM N°3
*University
Rovira i Virgili*

Student team



**Jérôme
RENS**



**Sergi
RUPEREZ ARIZA**

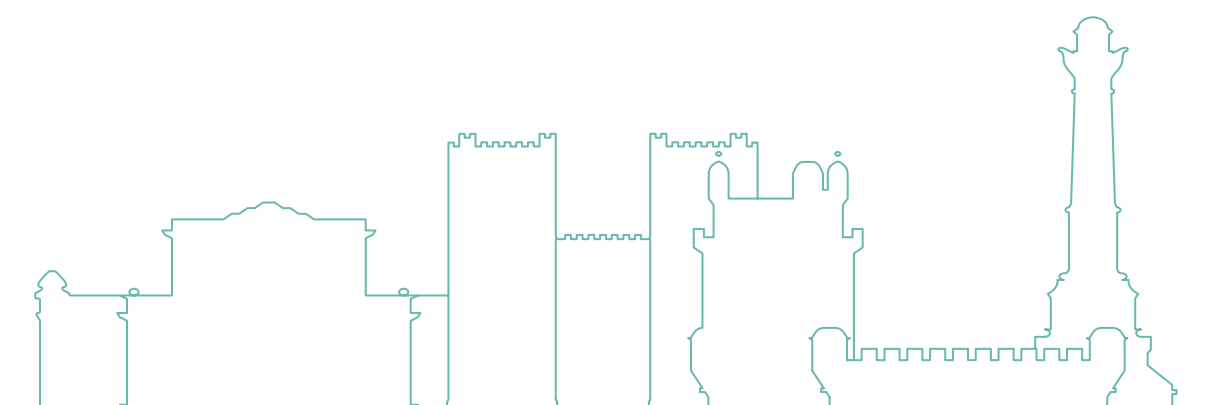


**Jose Miguel
LOPEZ HURTADO**

Professor



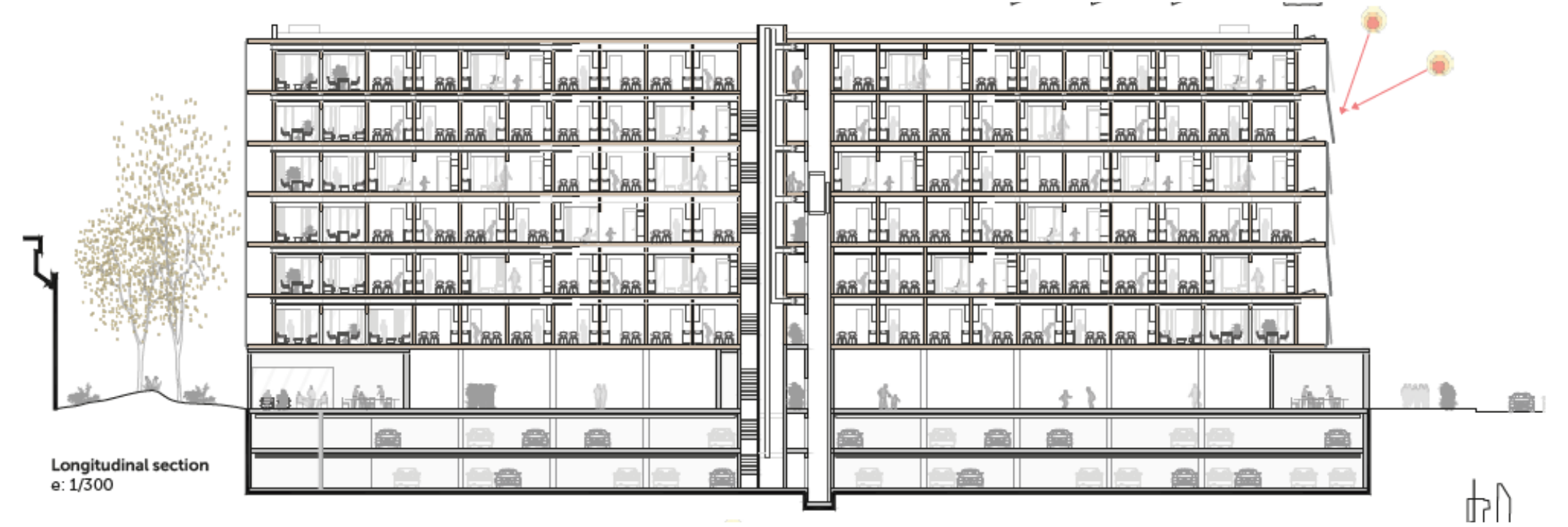
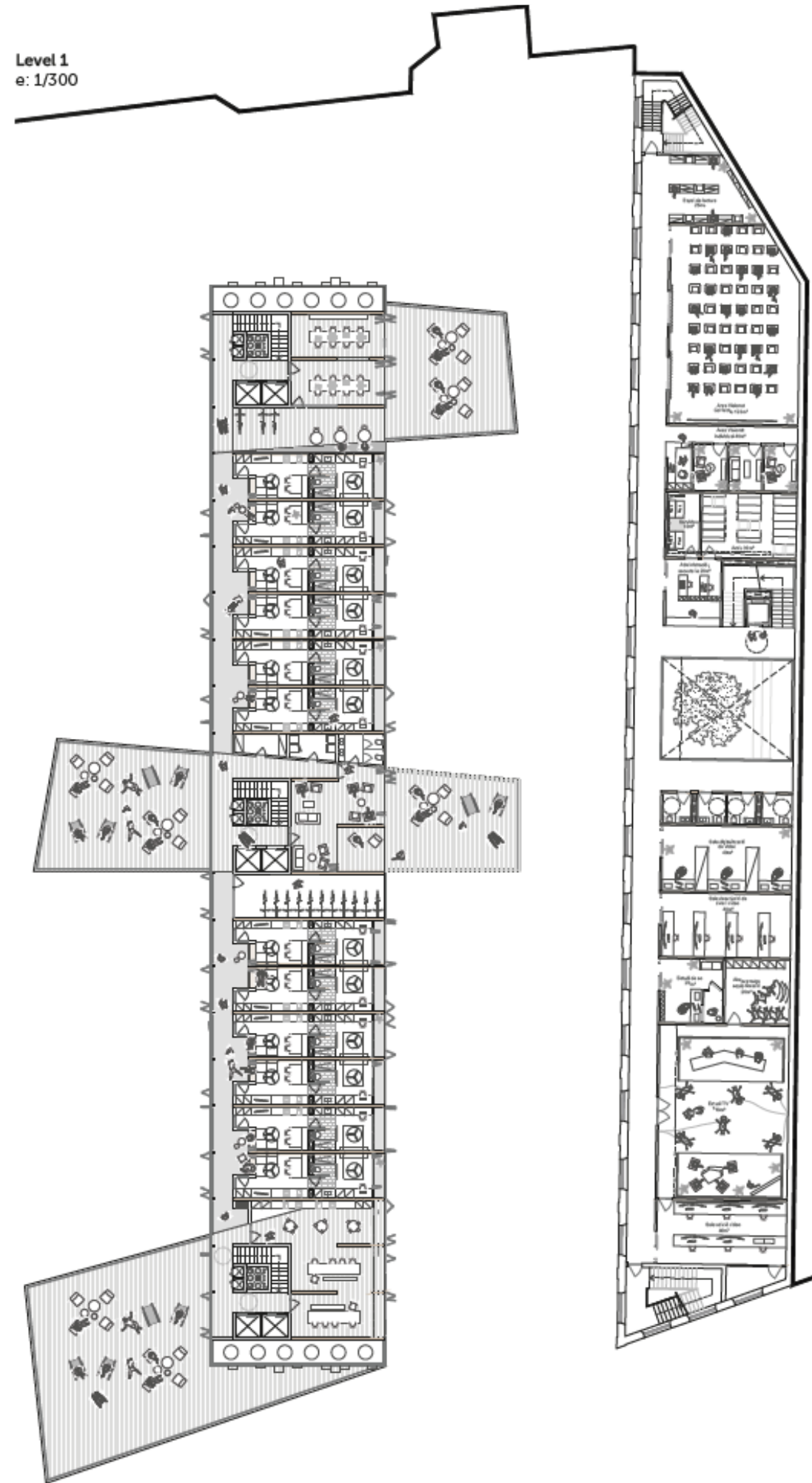
**Mr CARLOS
BARBERÀ ESCOÍ**



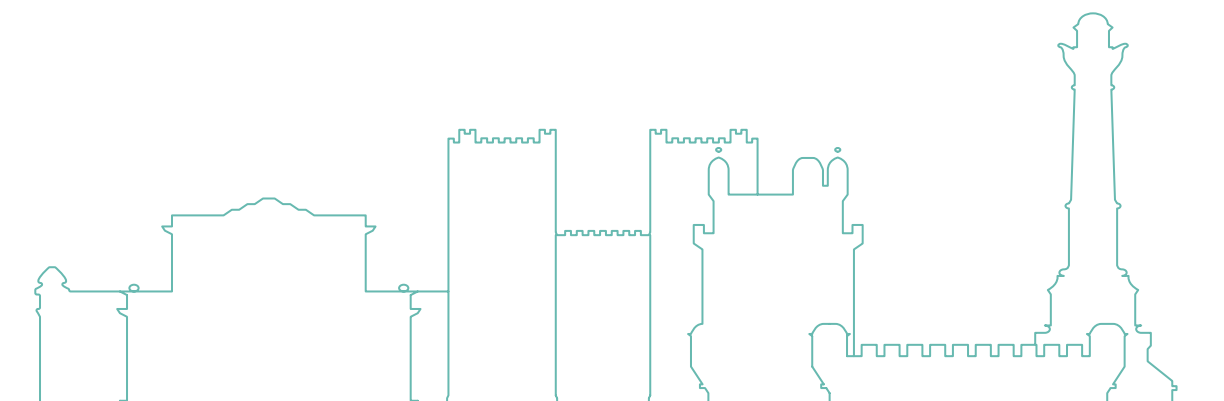
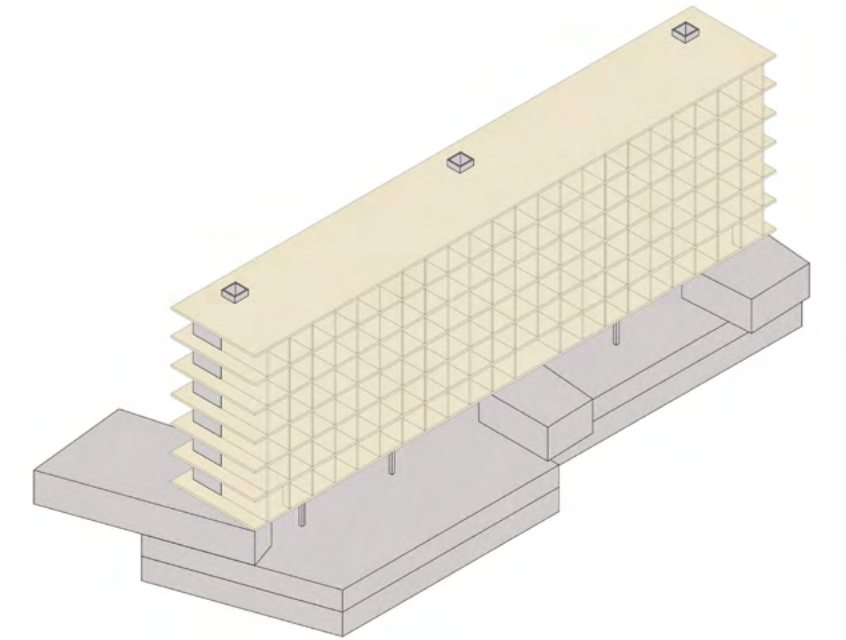
Spain

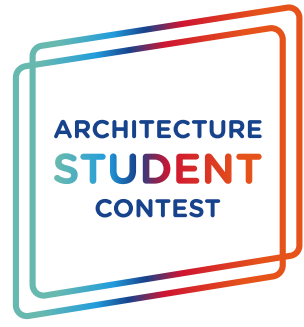


TEAM N°3
*University
Rovira i Virgili*



Longitudinal section
e: 1/300





Germany



TEAM N°4

*Frankfurt University
of Applied Sciences*

Student team



**Laura
LICHTBLAU**

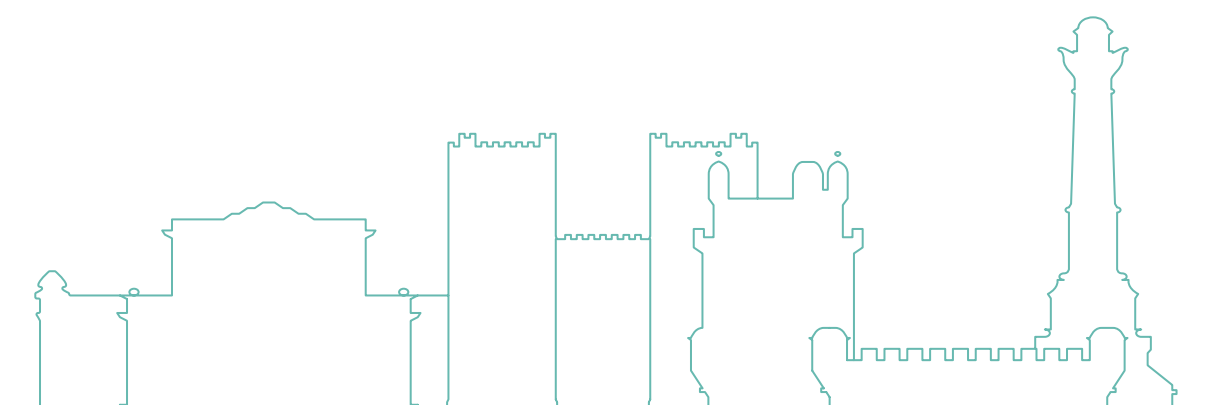


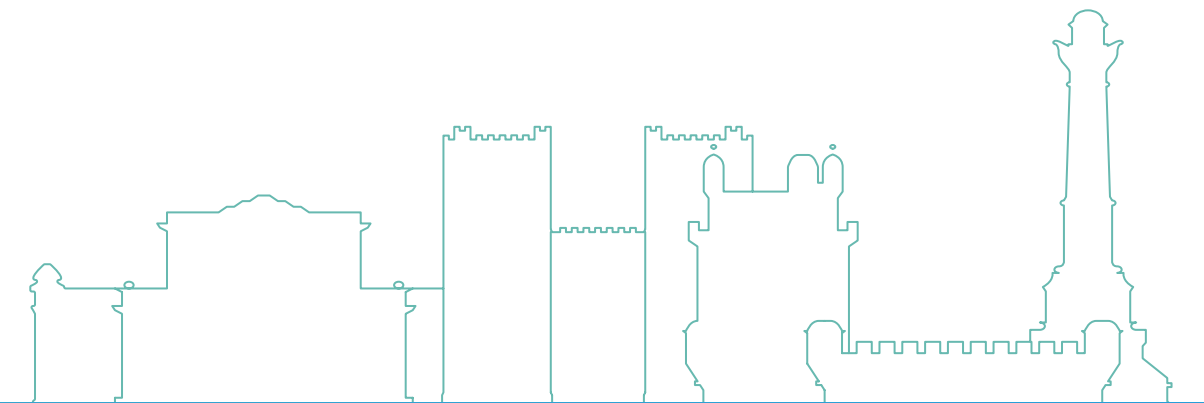
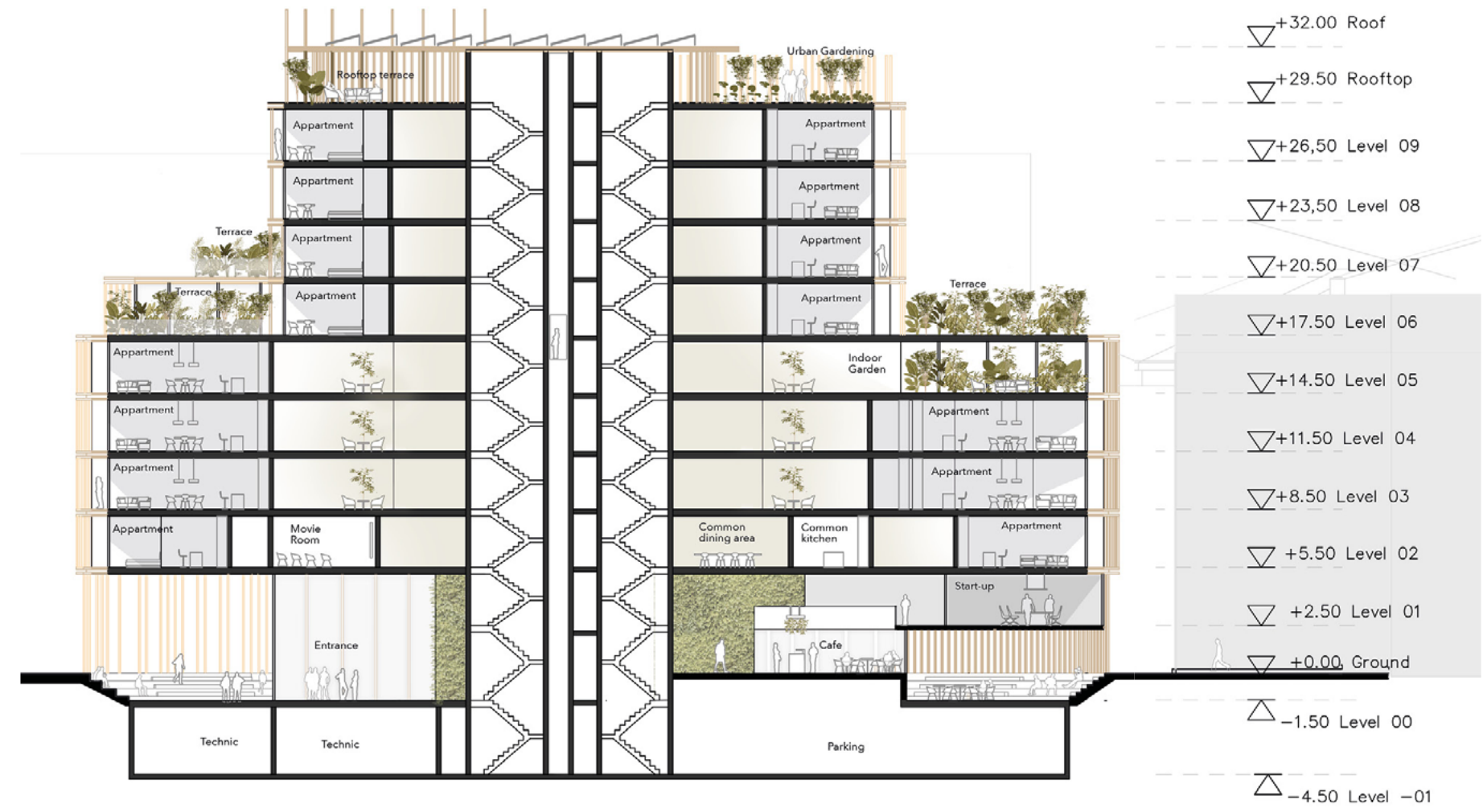
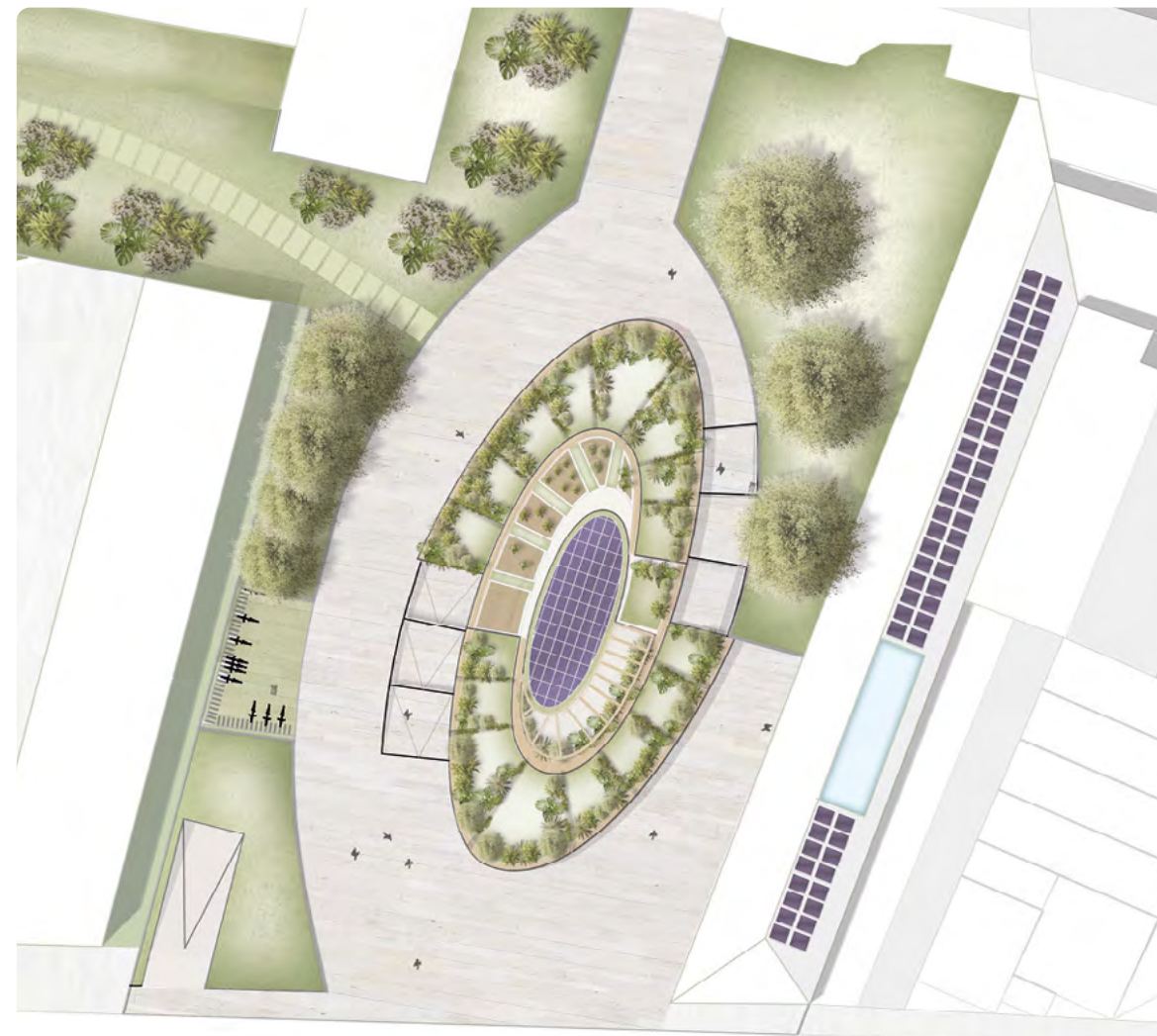
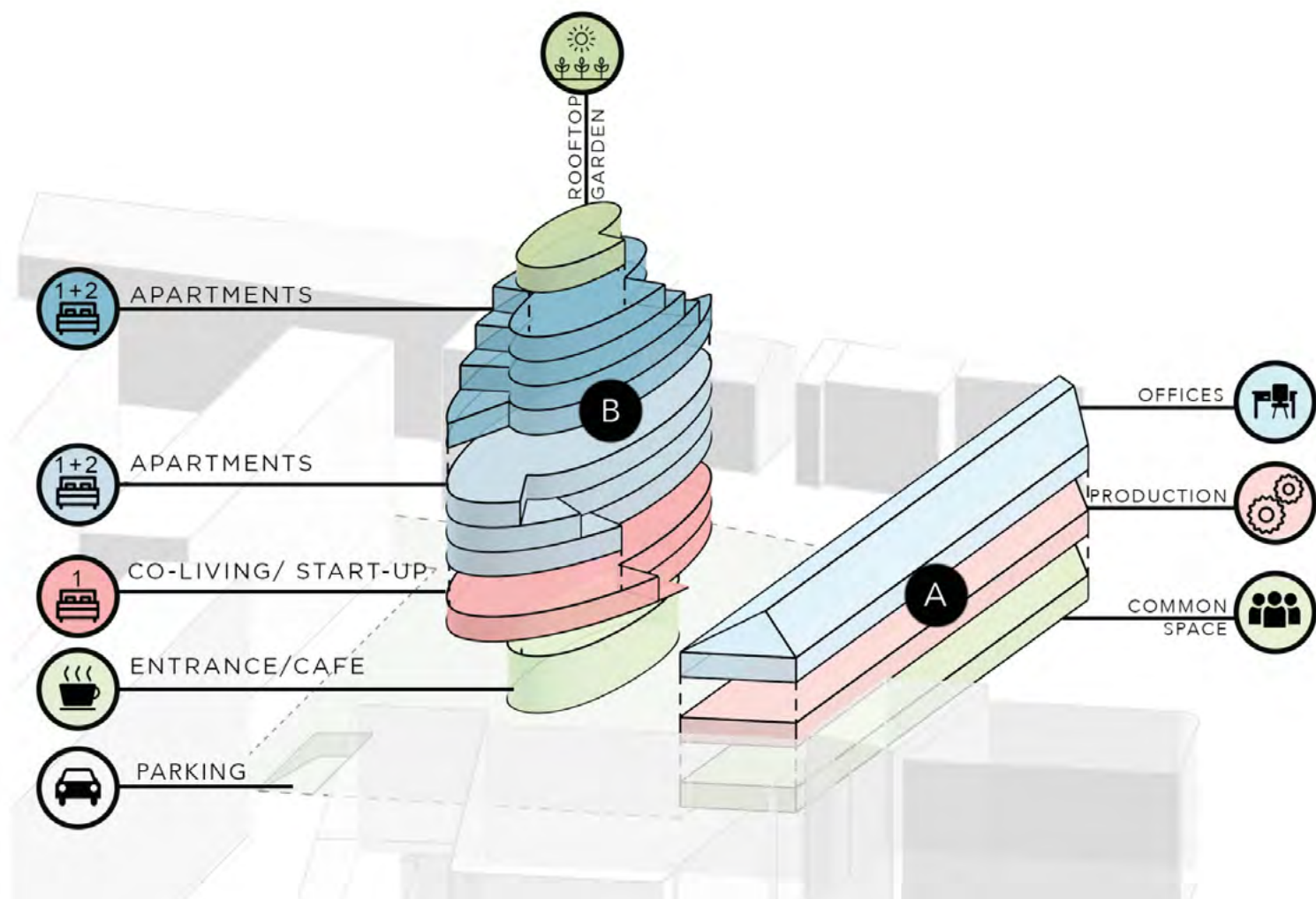
**Nadja
BAUER**

Professor



**Mr Erik
RÖTHELE**







TEAM N°5
*University
of Oulu*

Student team



**Heini
KYTTÄLÄ**

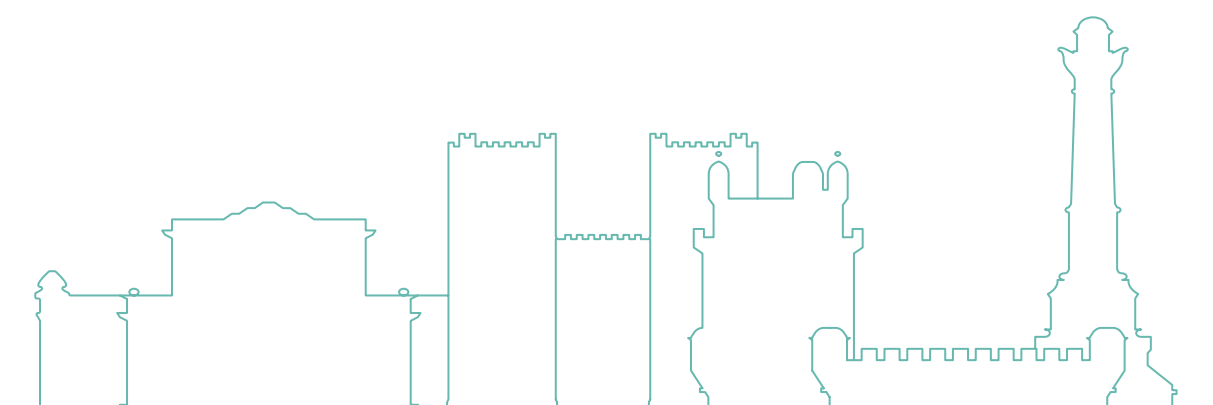


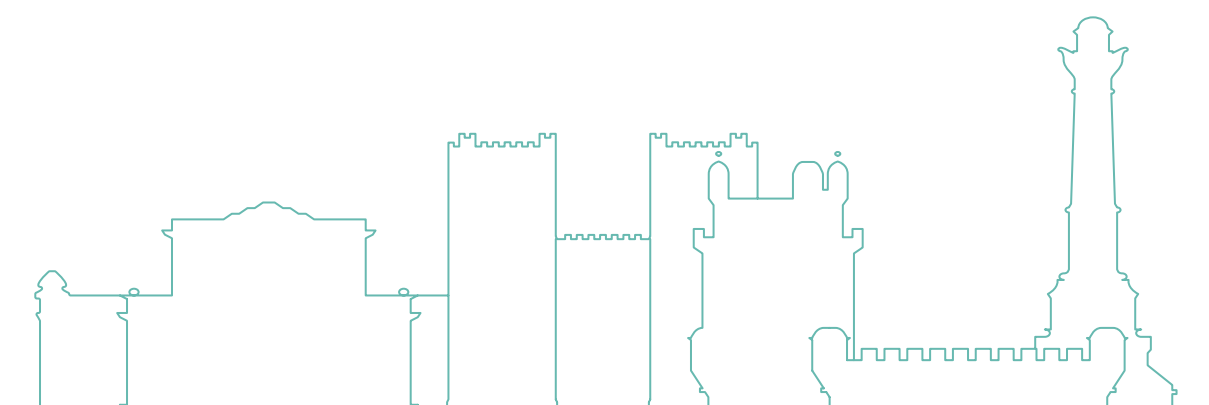
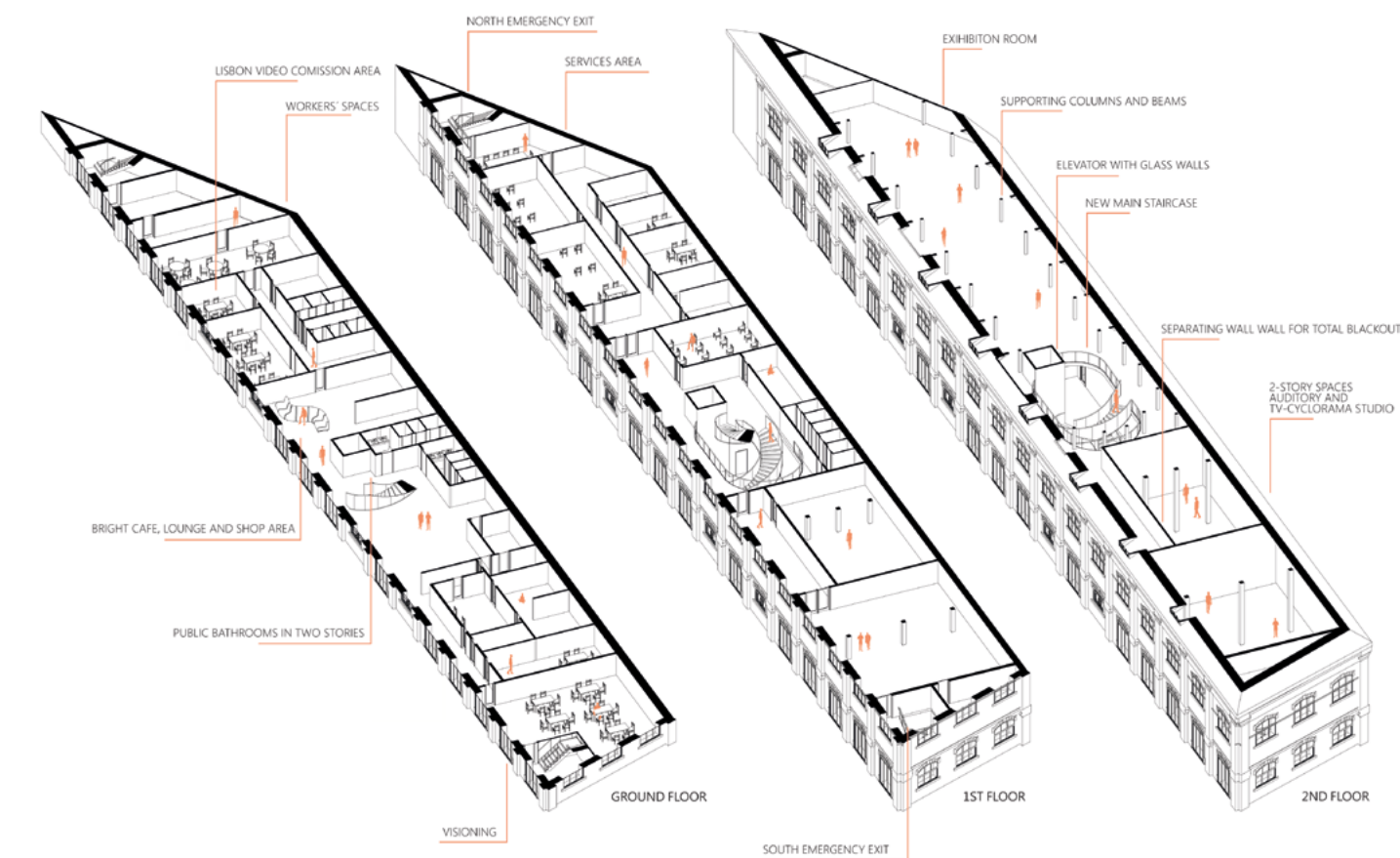
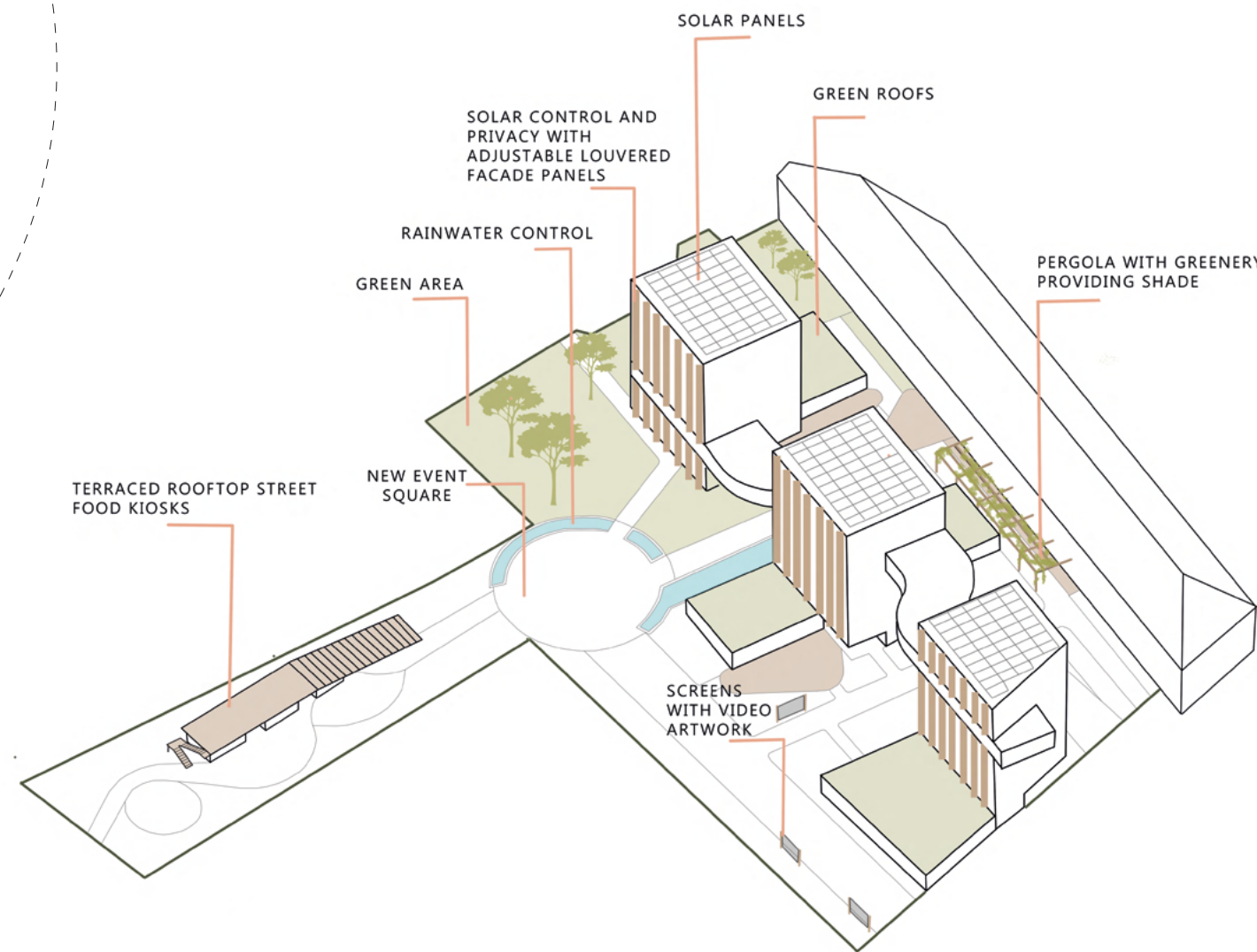
**Krista
RAUTAOJA**

Professor



**Mr Petri
AARNIO**







TEAM N°6
*Gheorghe Asachi
Technical University*

Student team



**Alina-Madalina
LACATUSU**

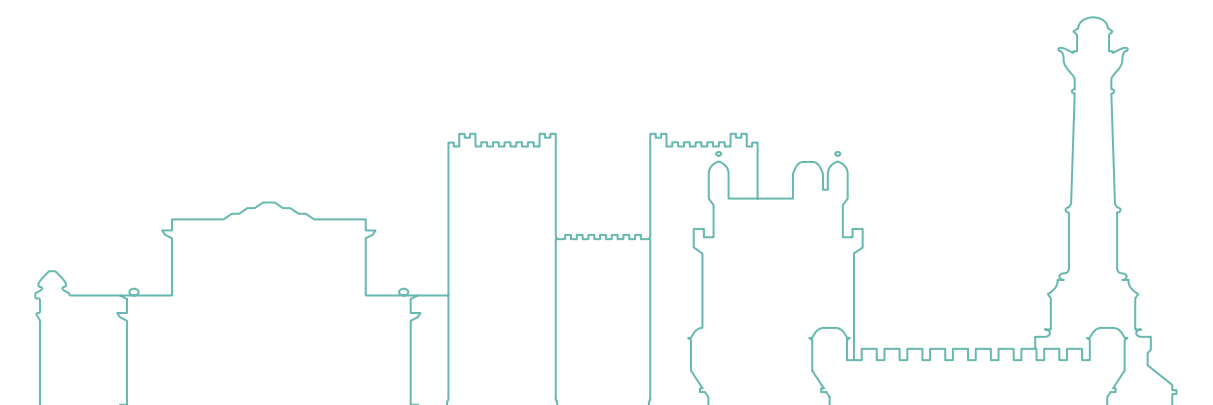


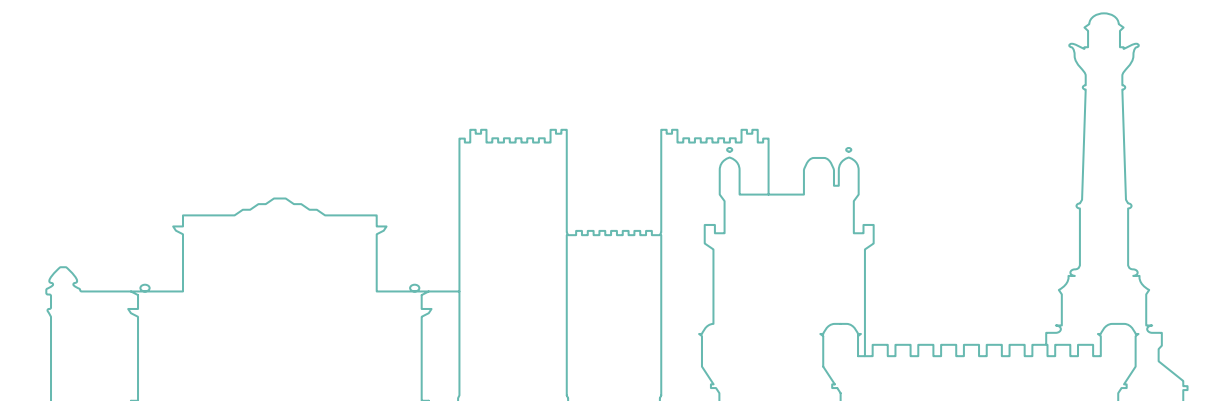
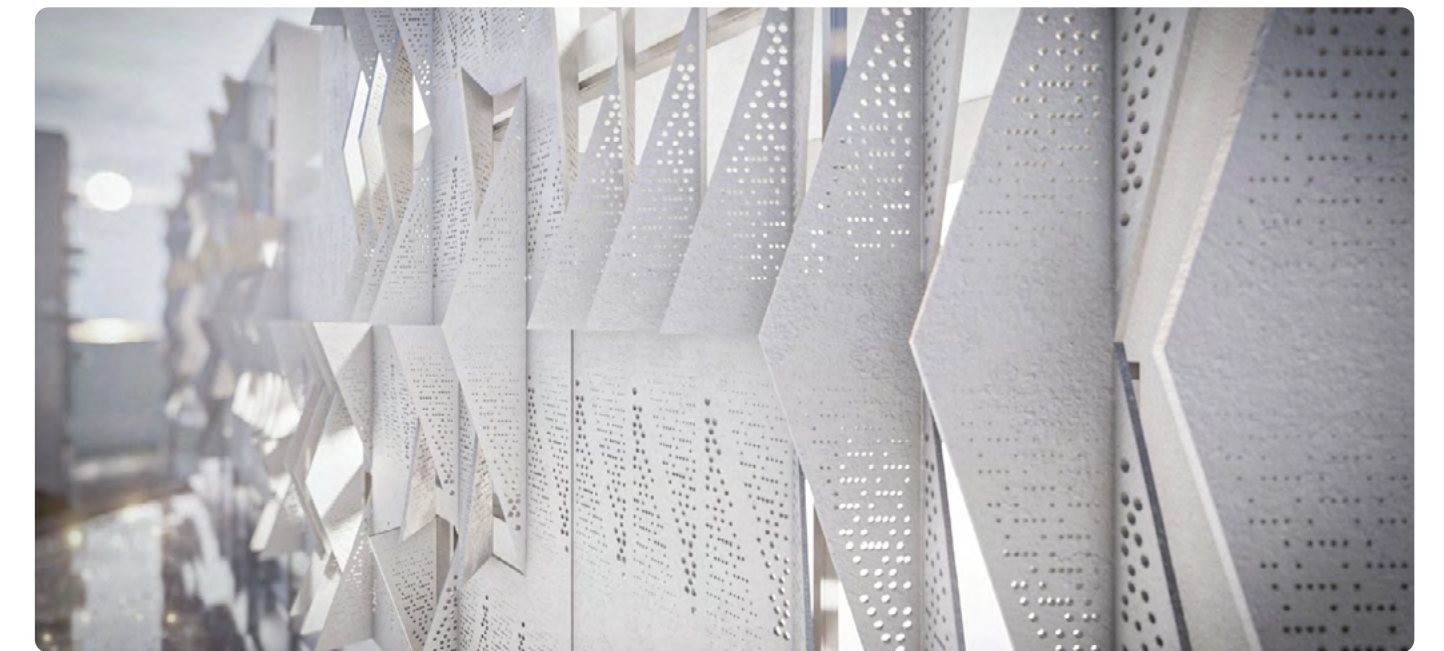
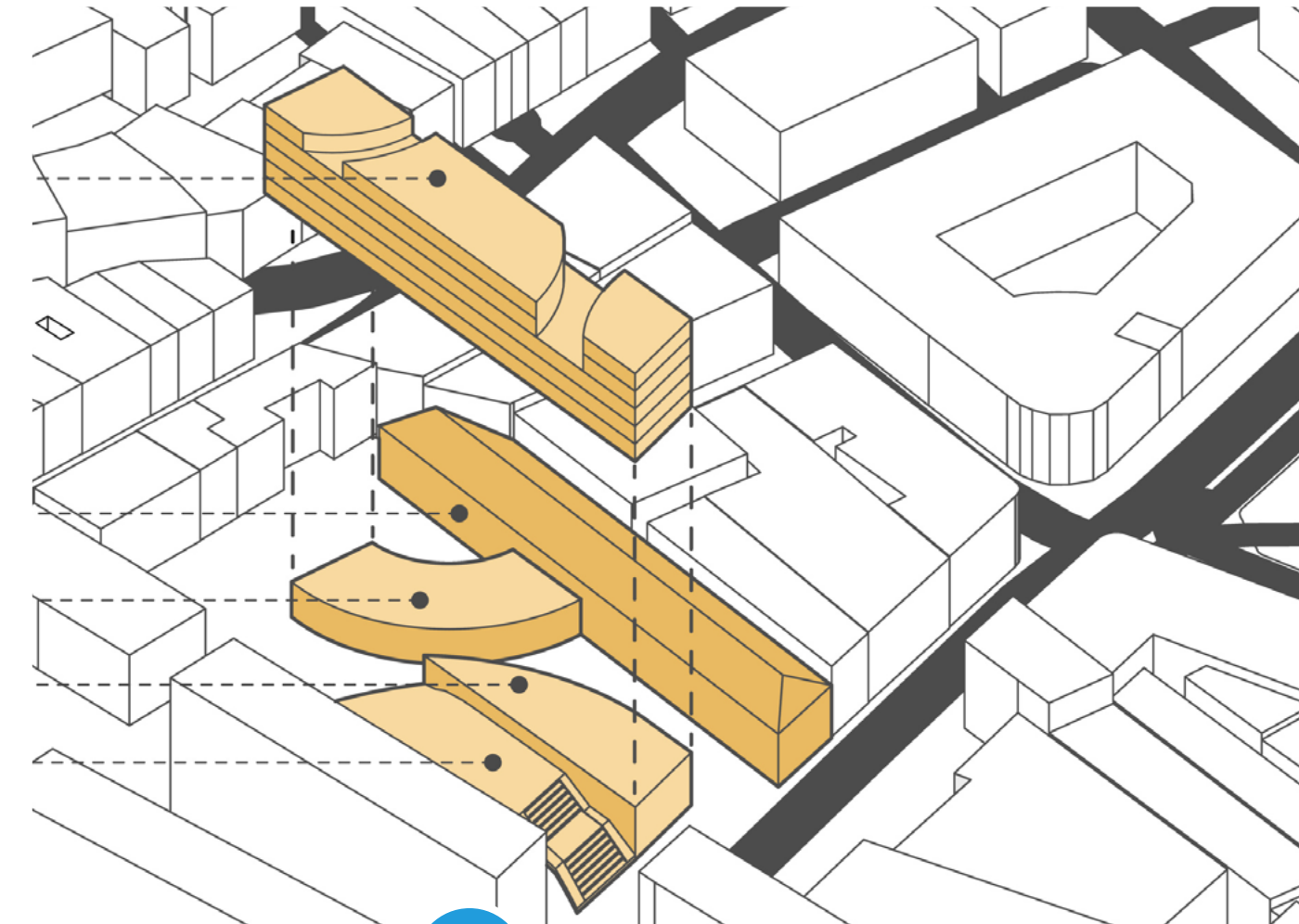
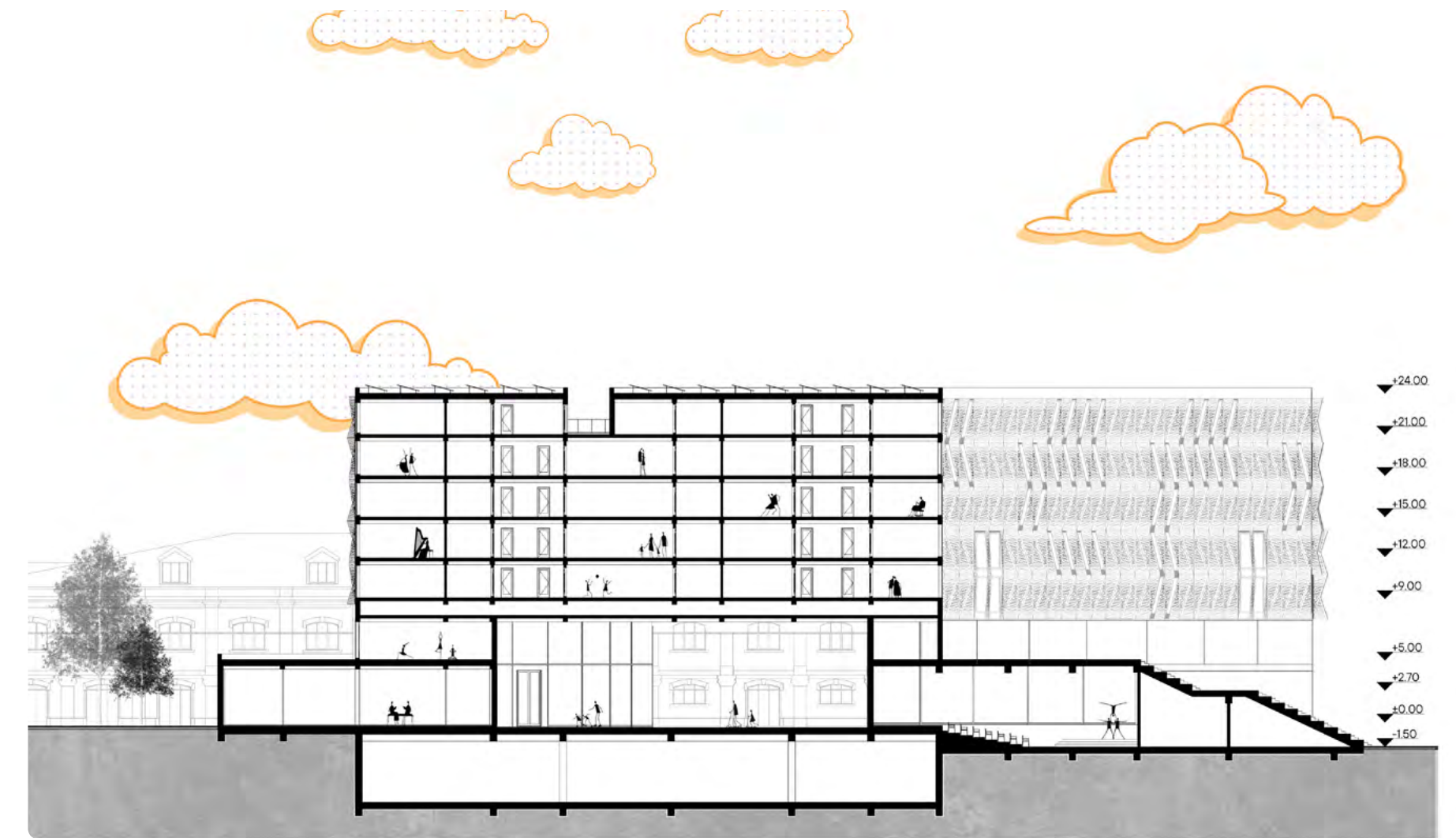
**Ana-Maria
NITICA**

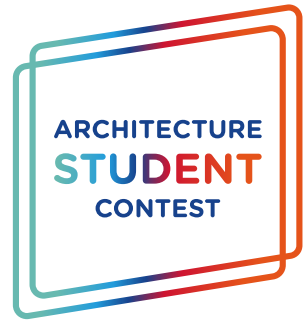
Professor



**Mr Radu
ANDREI**







Italy



TEAM N°7
*Polytechnic
University of Milan*

Student team



**Martina
ORIO**



**Beatrice
NACCI**

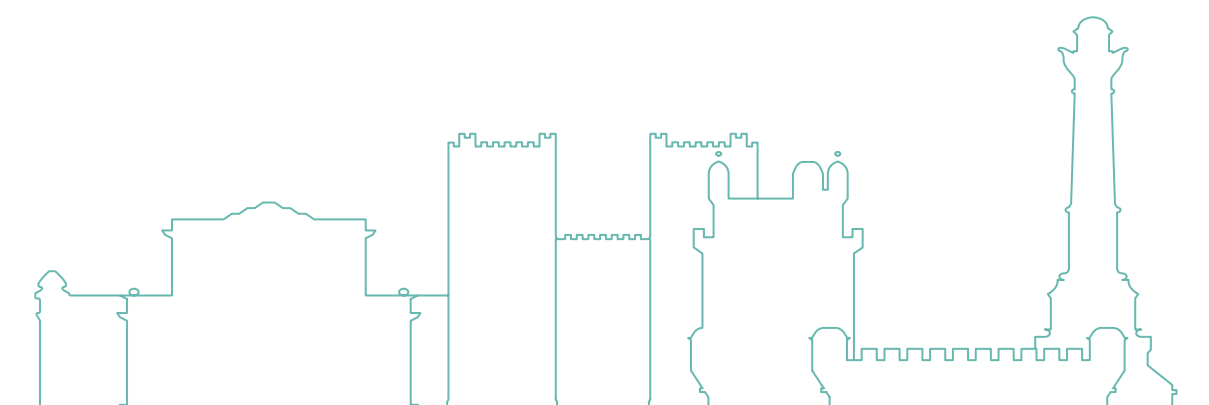


**Claudia
NOSEDA**

Professor



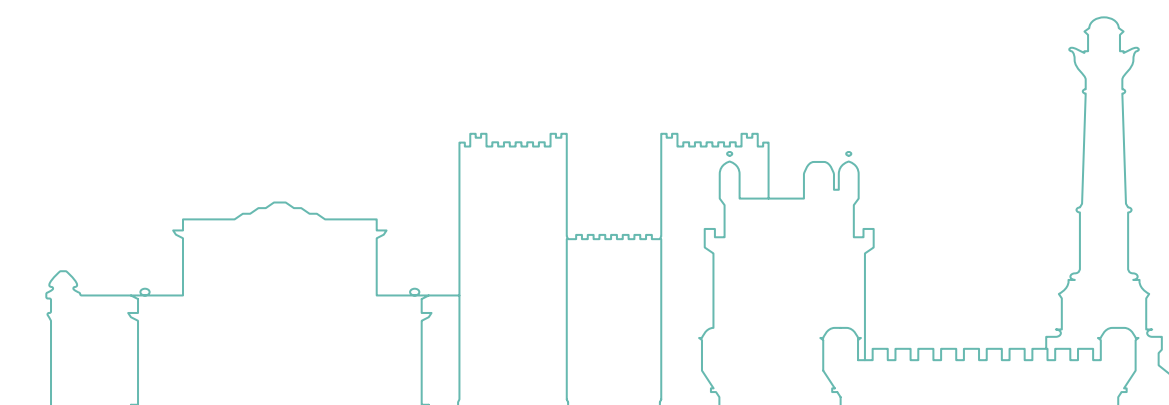
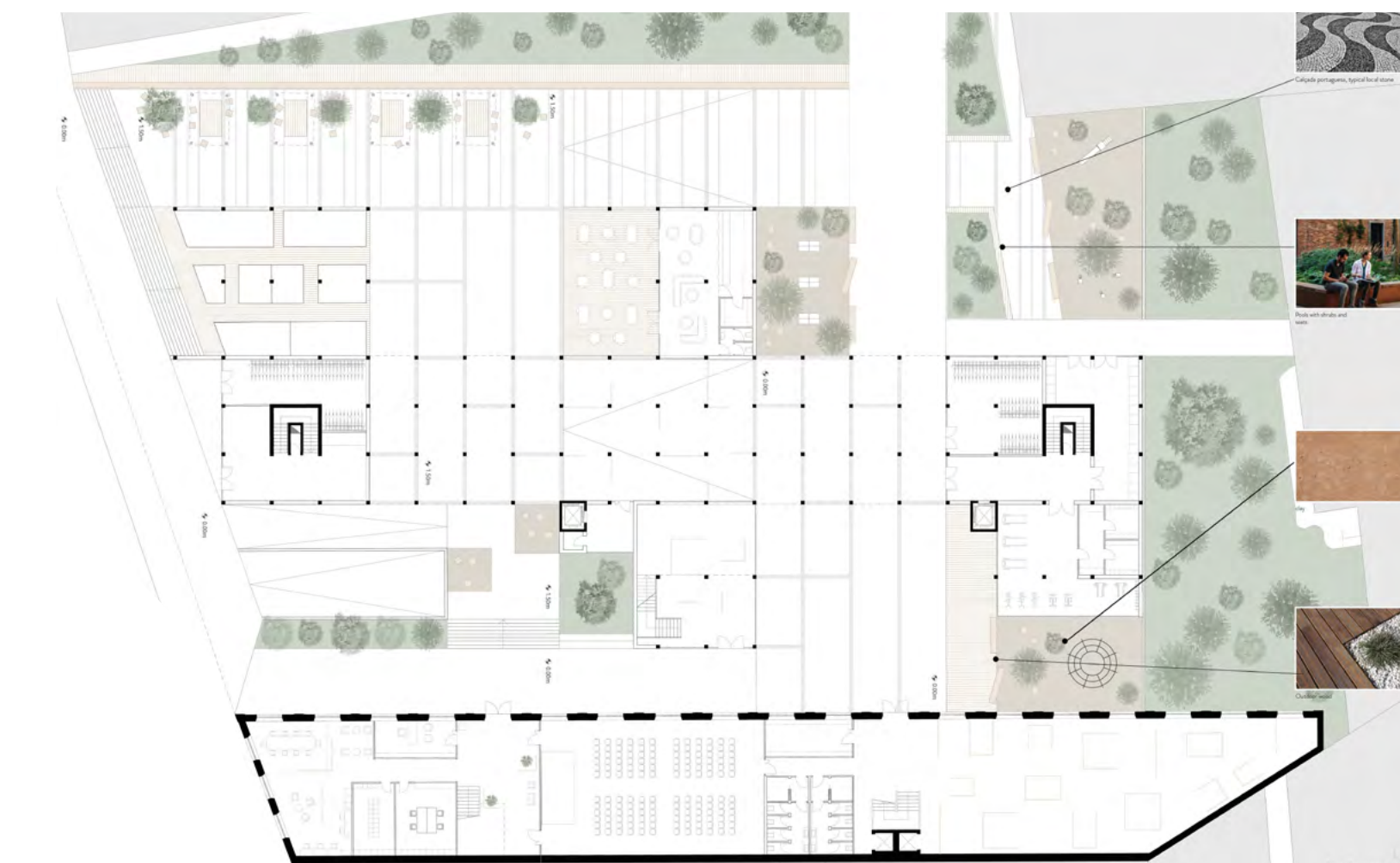
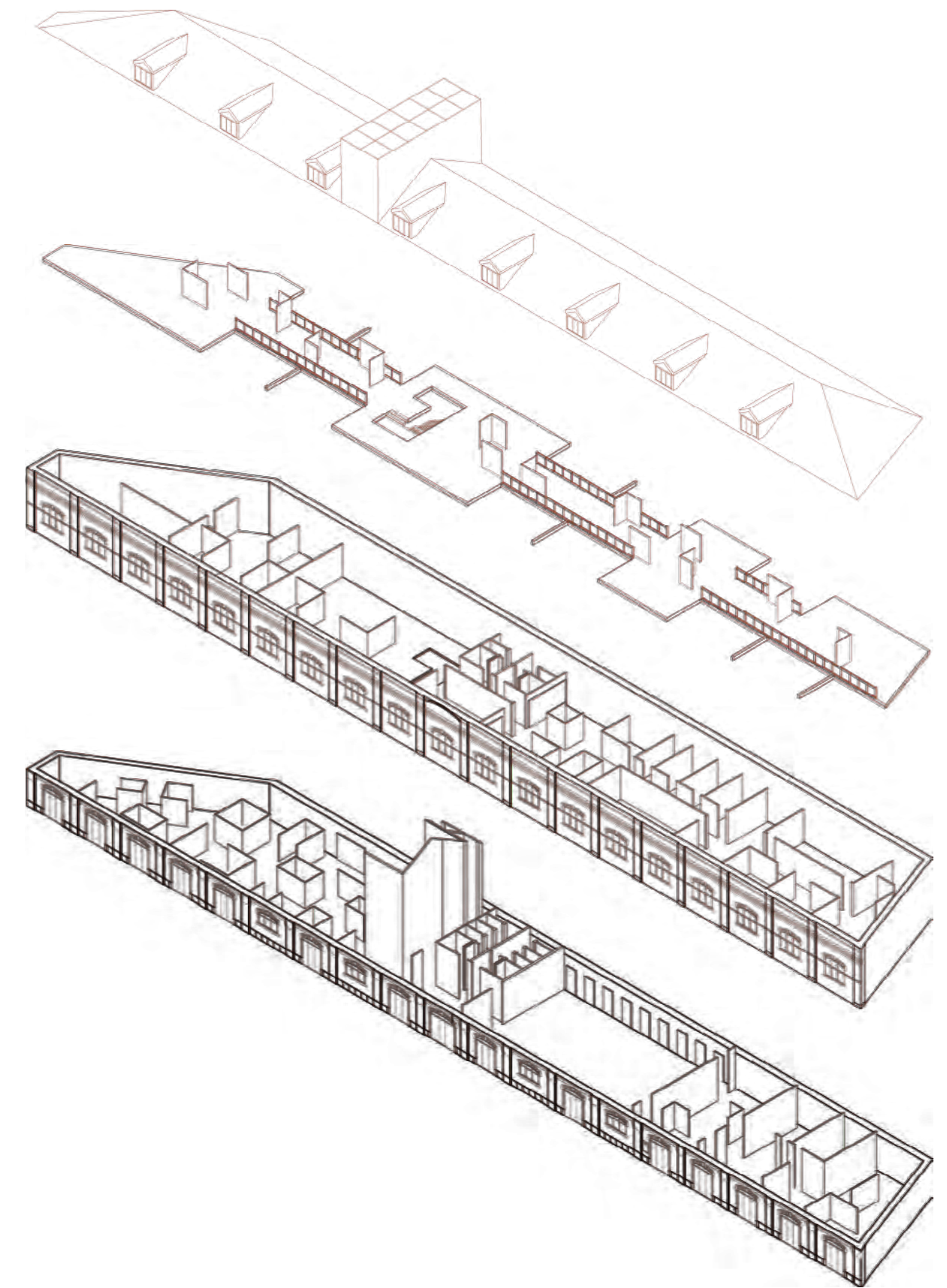
**Mr Andrea
CAMPIOLI**



Italy



TEAM N°7
*Polytechnic
University of Milan*





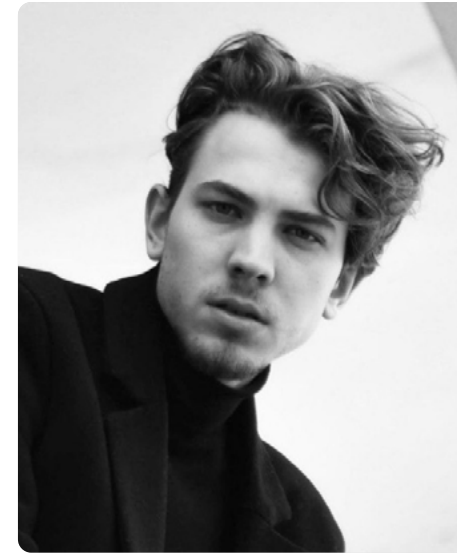
TEAM N°8

*Kyiv National University
of Construction and Architecture*

Student team



**Vlad
SNIHUR**



**Kyrylo
PROVOTOROV**

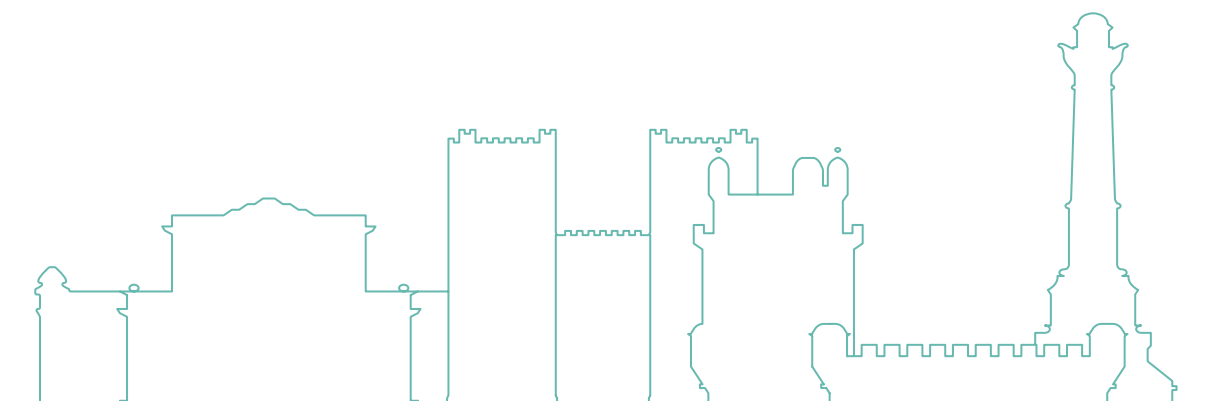


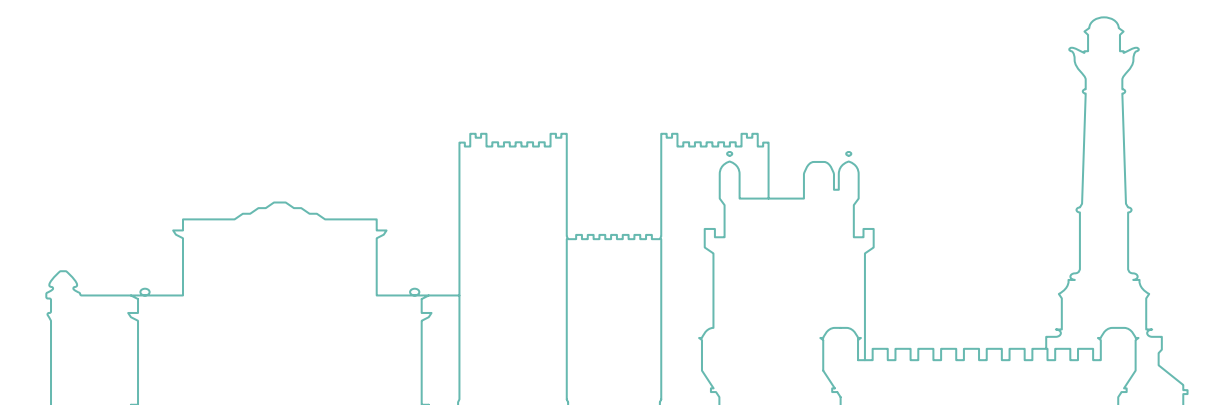
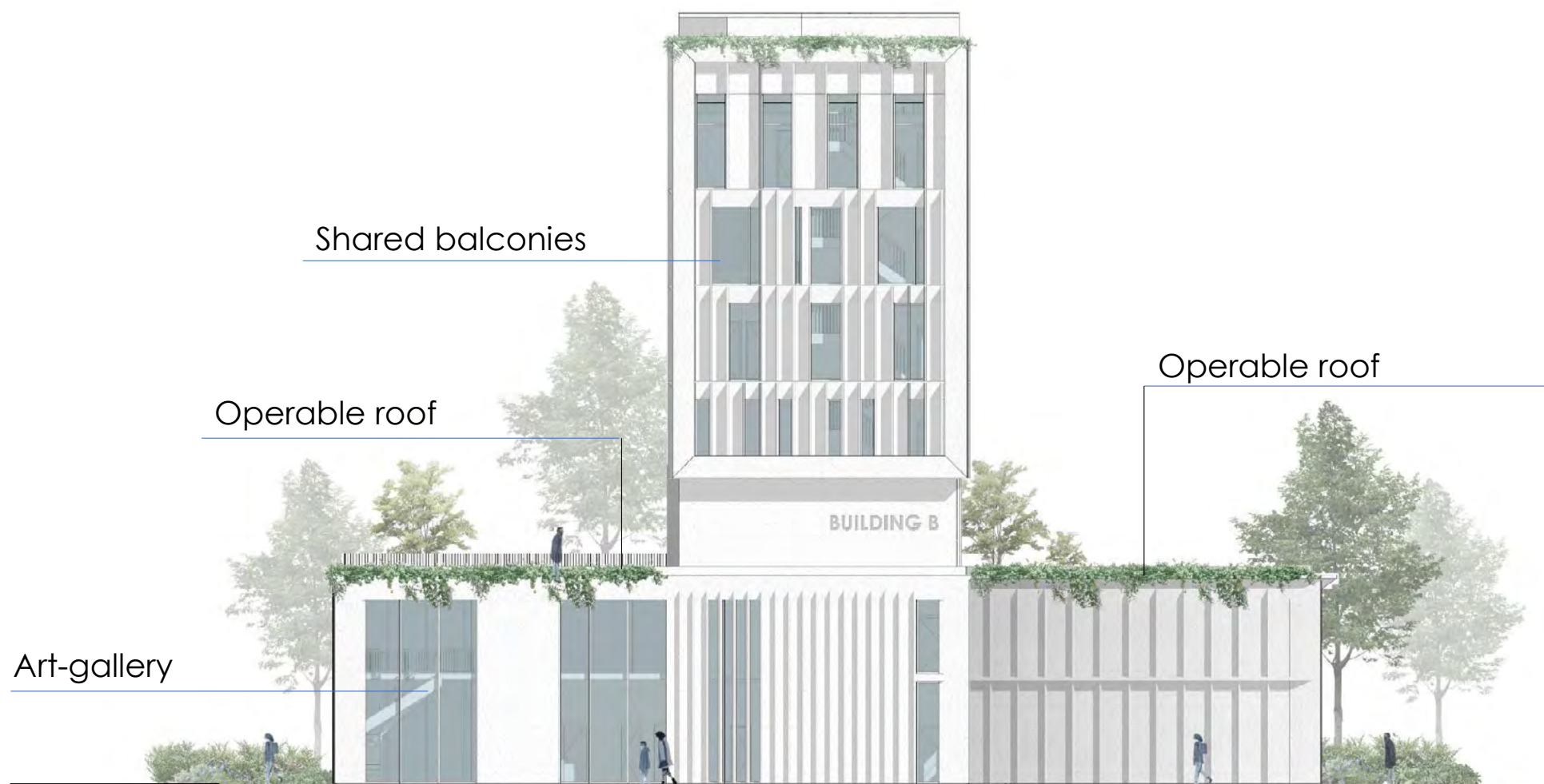
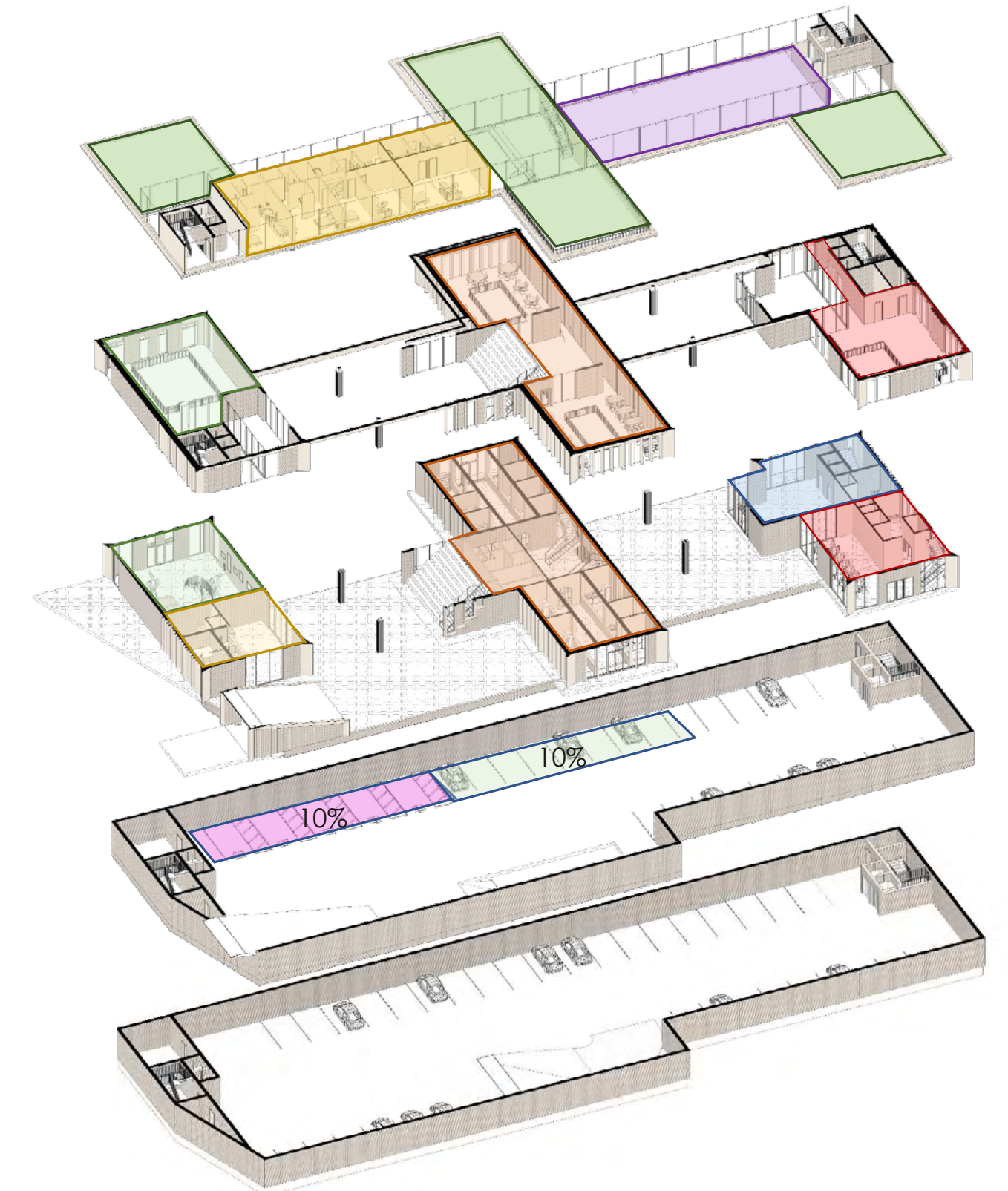
**Daniil
PYLYPCHUK**

Professor



**Mr Sergey
NIVIN**







Student team



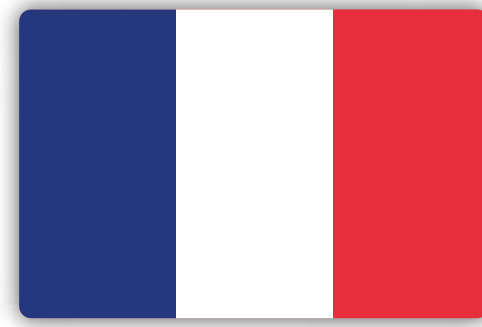
**Naïs
BALLEREAU**

Professor



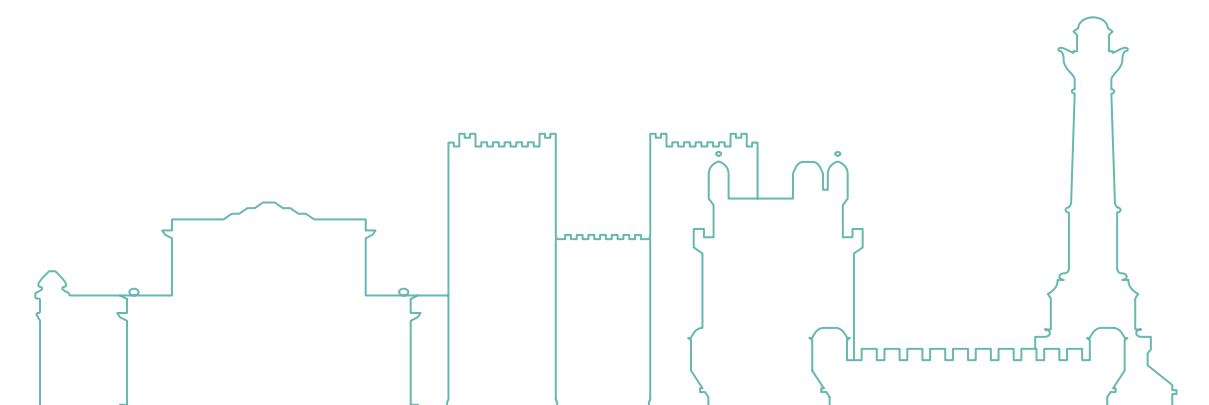
**Mr Dominique
LEFAIVRE**

France

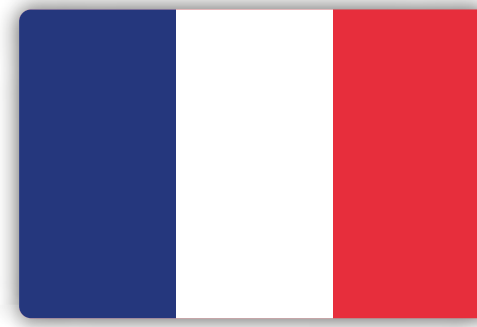


TEAM N°9

*University of Pau and the
Adour Region (ISA BTP)*

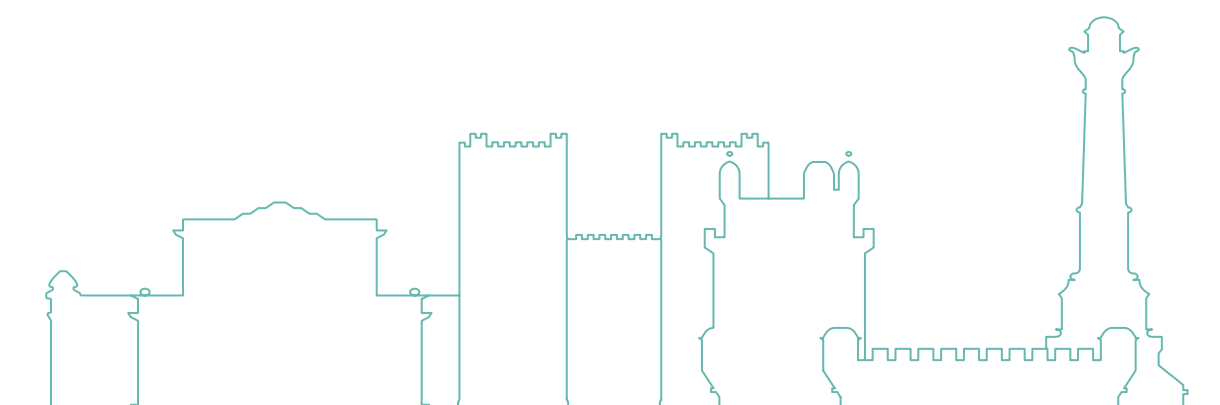
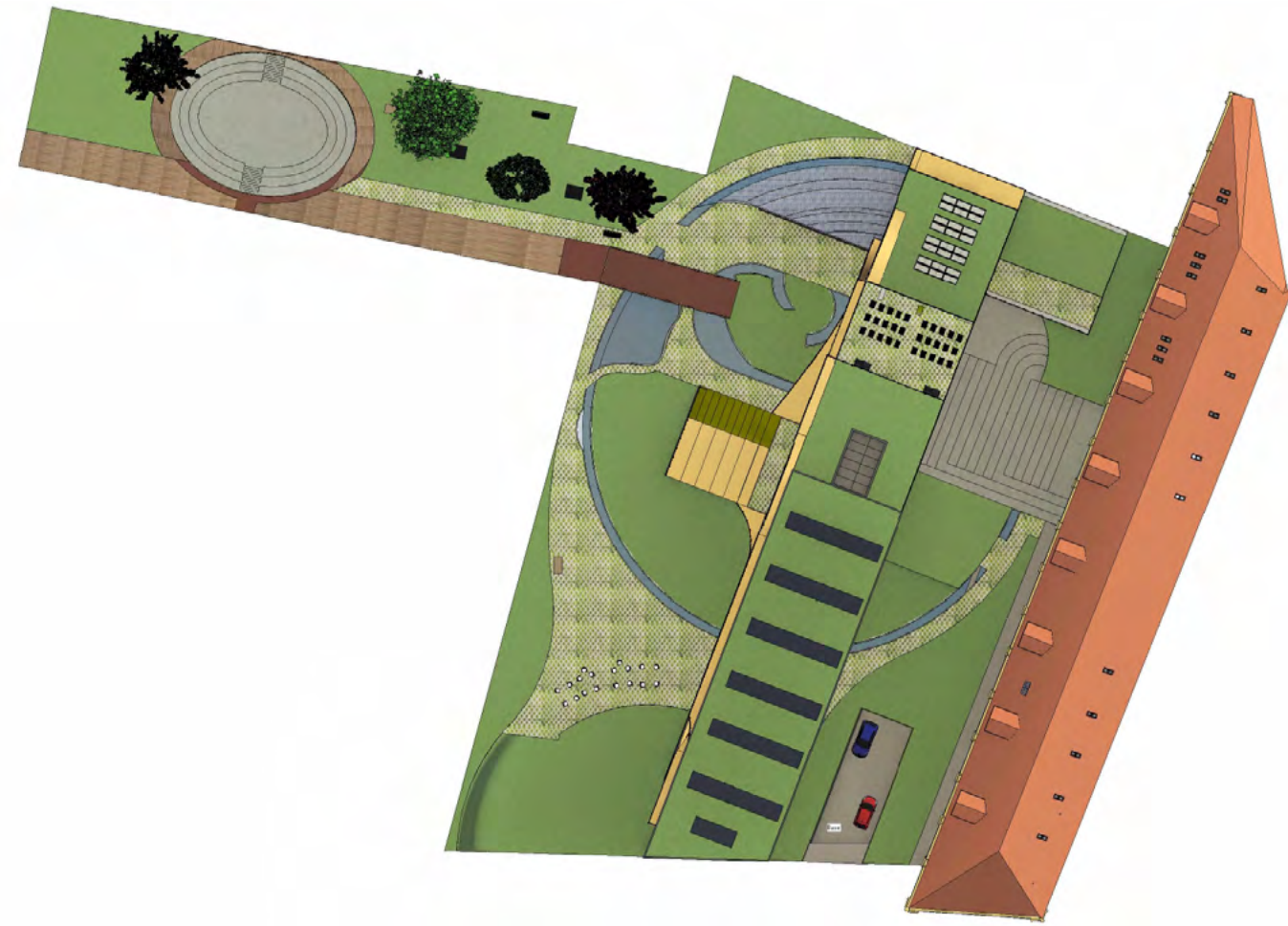


France



TEAM N°9

*University of Pau and the
Adour Region (ISA BTP)*





Croatia



TEAM N°10

University of Zagreb
Faculty of Architecture

Student team



**Greta
GRBAVAC**

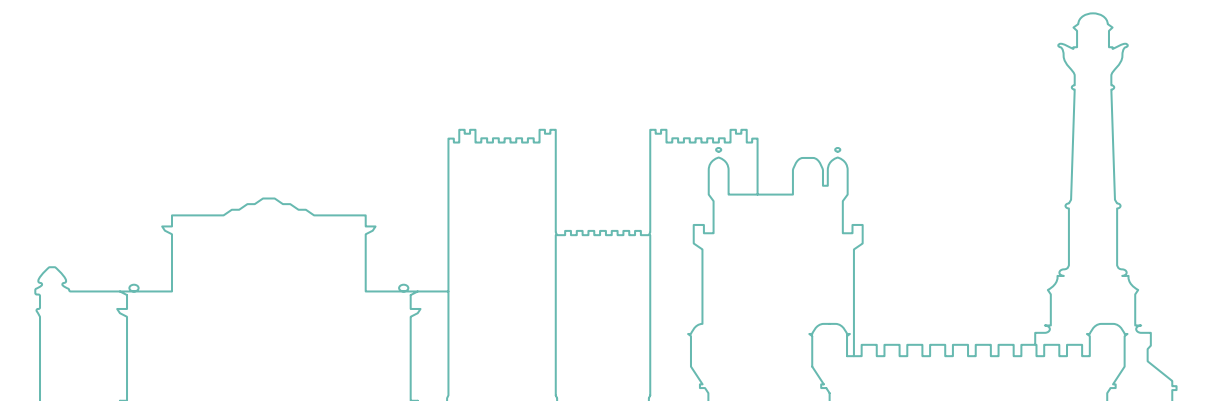


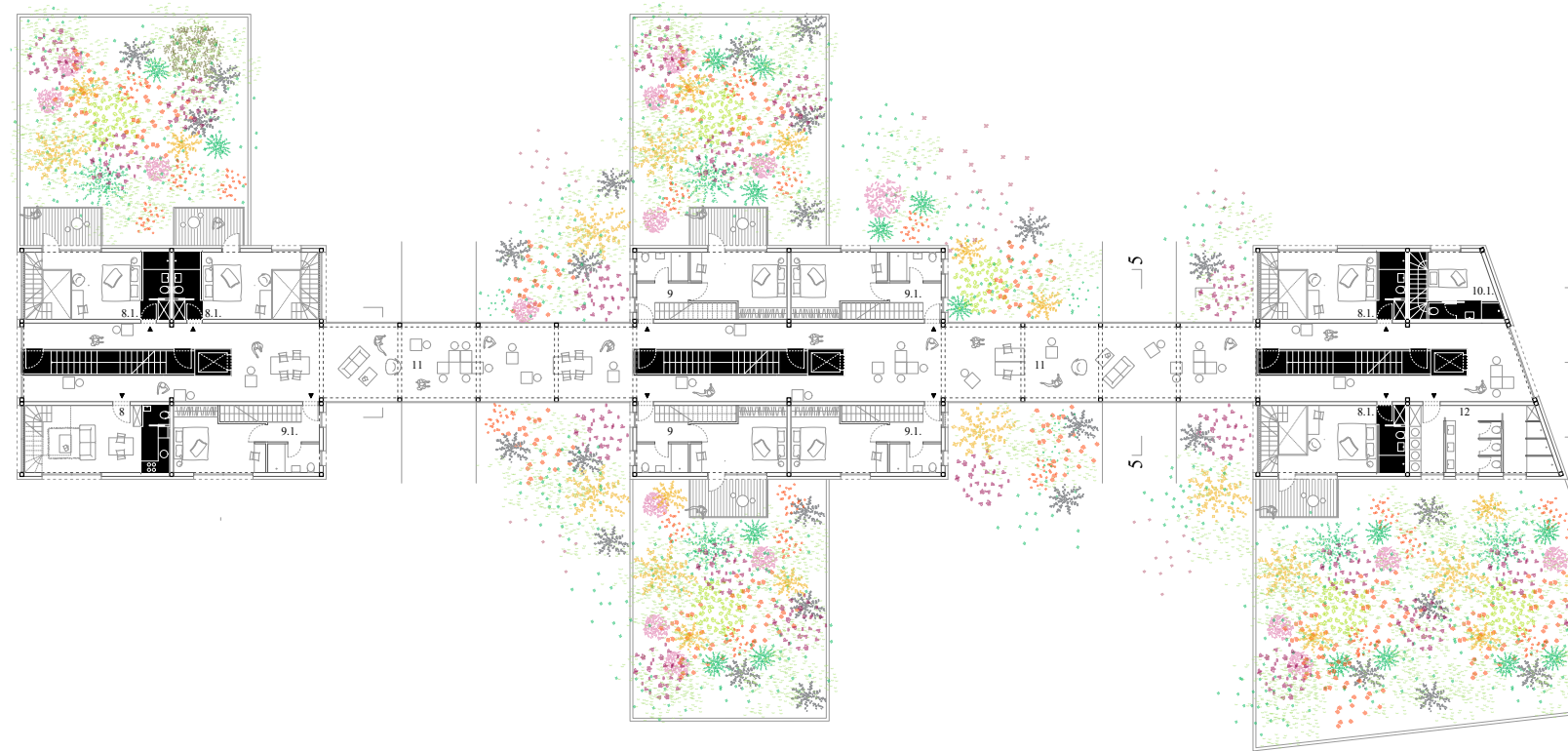
**Petra
FERENČIĆ**

Professor

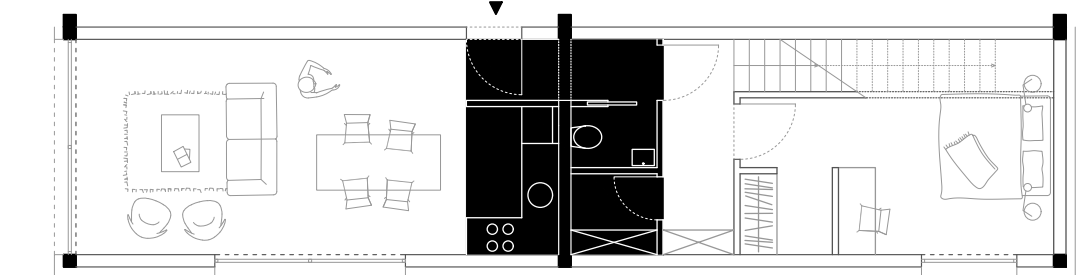


**Mr Ljubomir
MIŠĆEVIĆ**

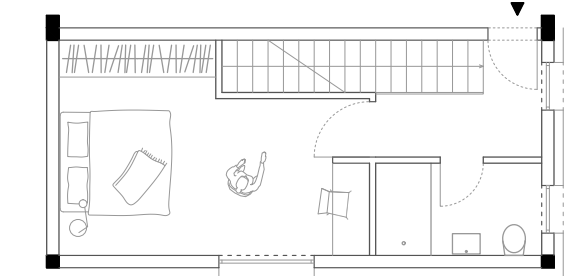




private apartments two bedrooms



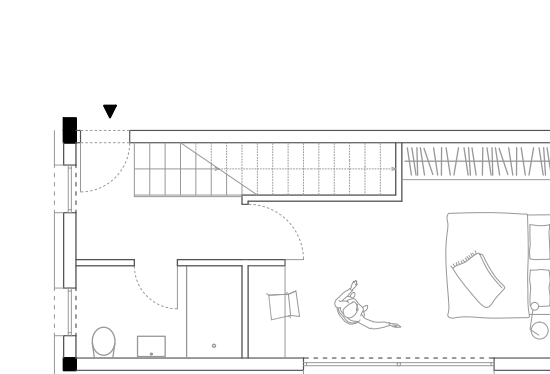
lower floor



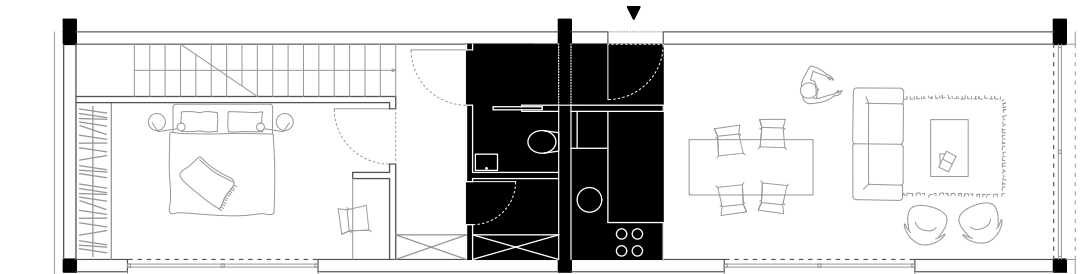
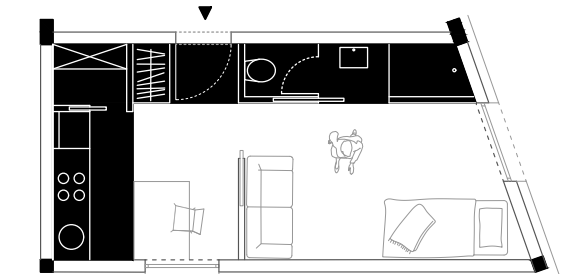
upper floor

variation 1

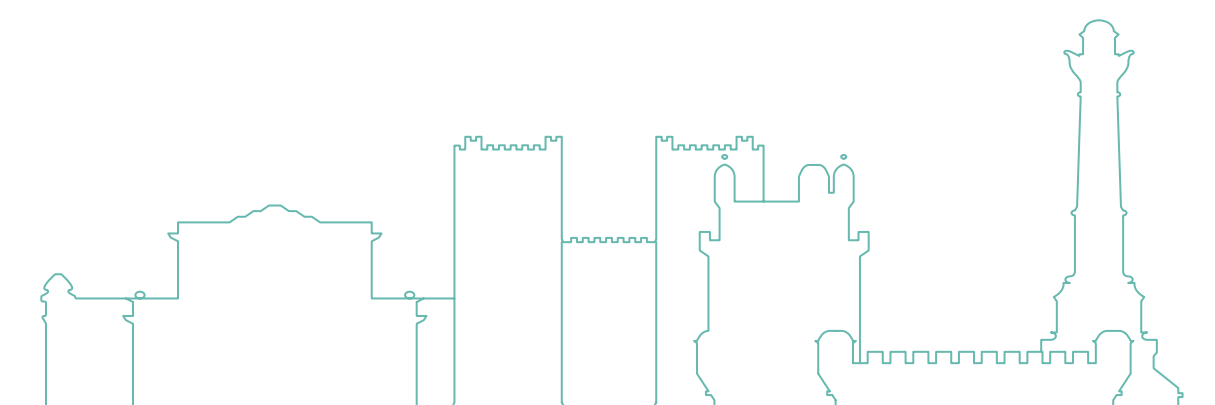
co-living apartments type 2

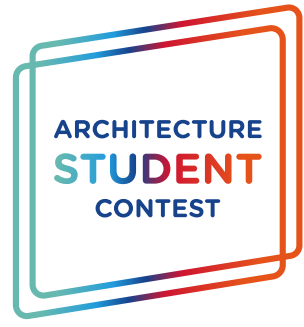


lower floor



upper floor





Poland



TEAM N°11

*Wroclaw University
of Science and Technology*



Student team



**Magdalena
KAZULAK**

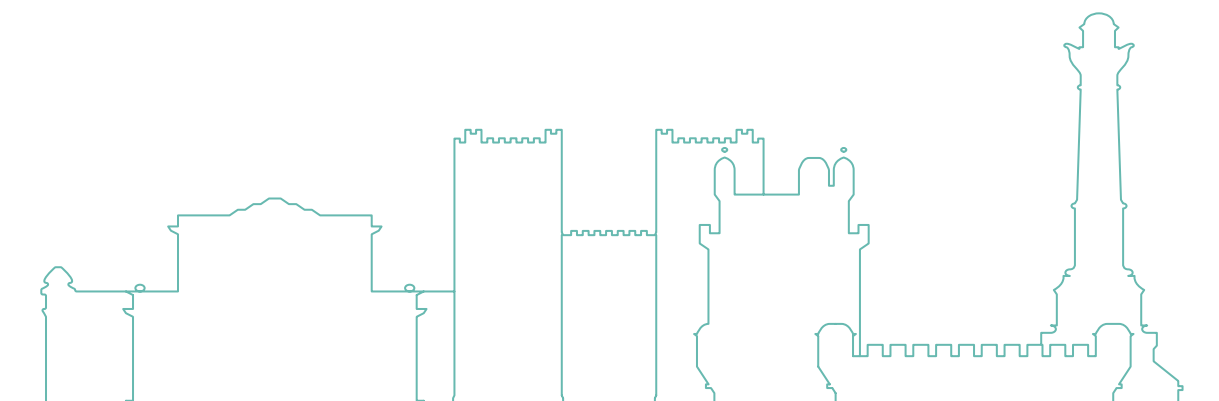


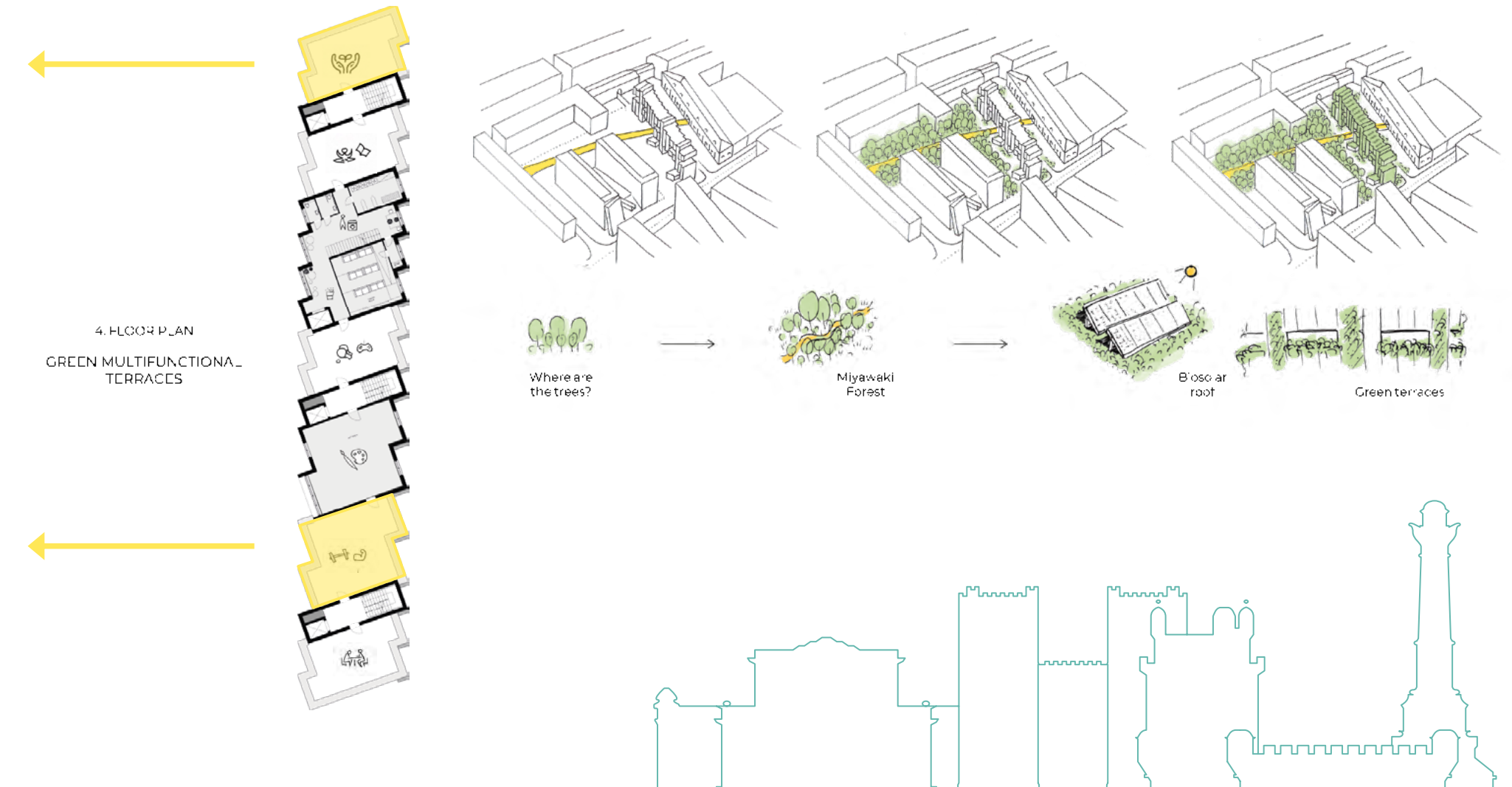
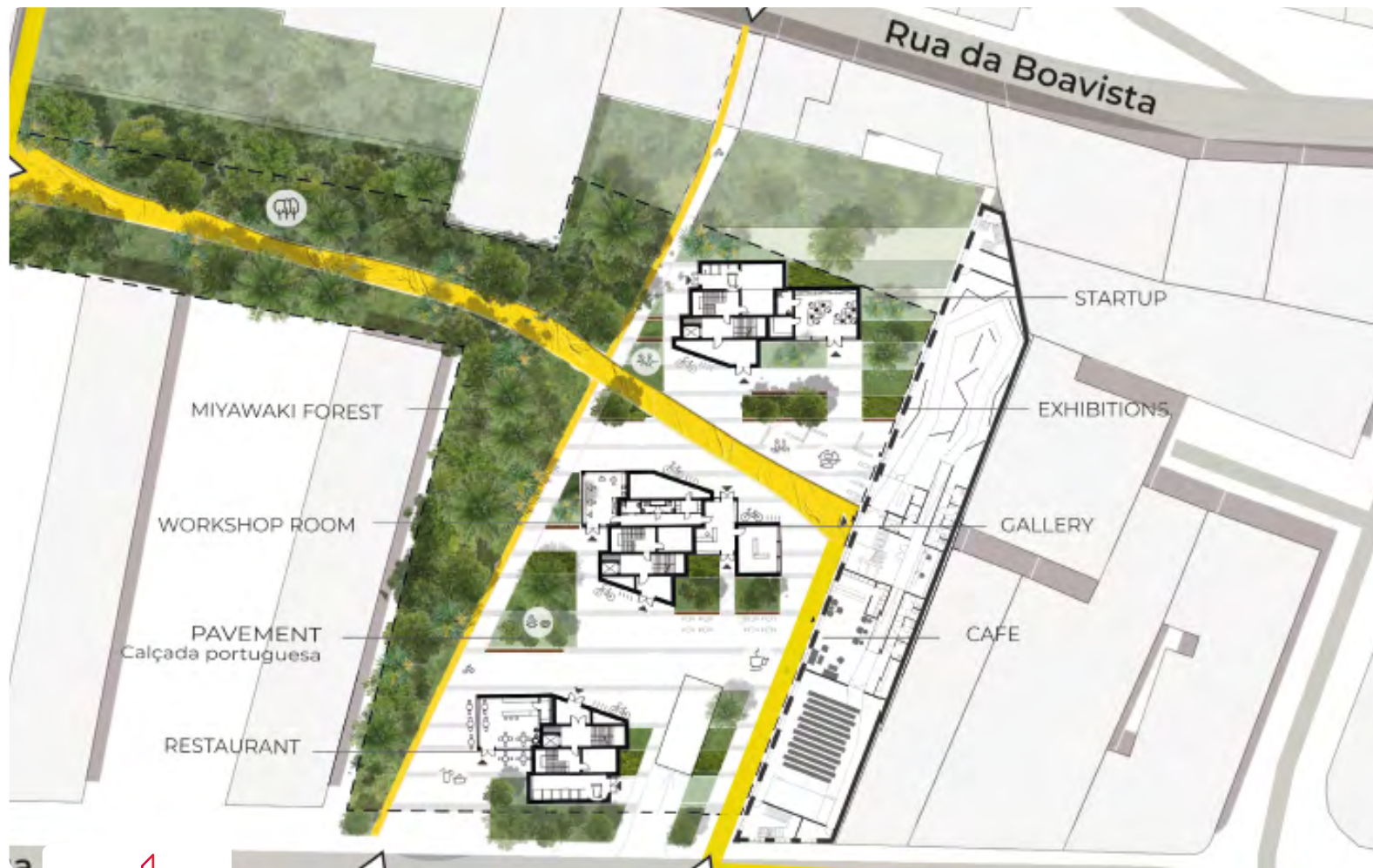
**Konstancja
STANIECKA**

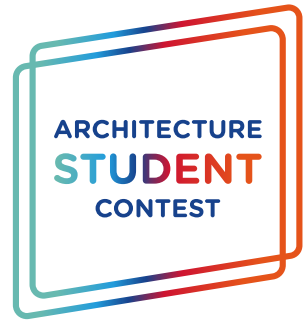
Professor



**Ms Anna
BAĆ**







Serbia

TEAM N°12

University of Belgrade
Faculty of Architecture

Student team

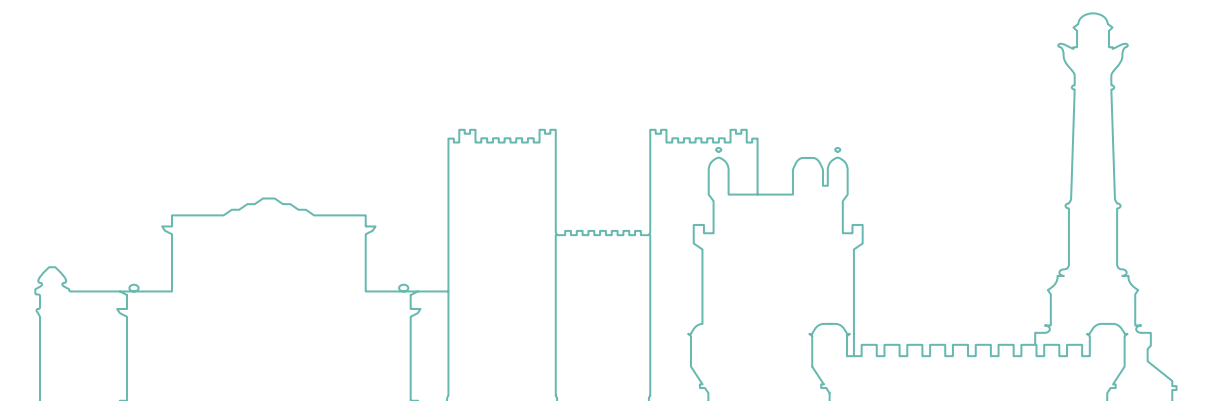


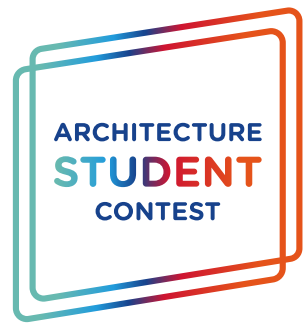
Iva
ŽIVKOVIĆ

Professor



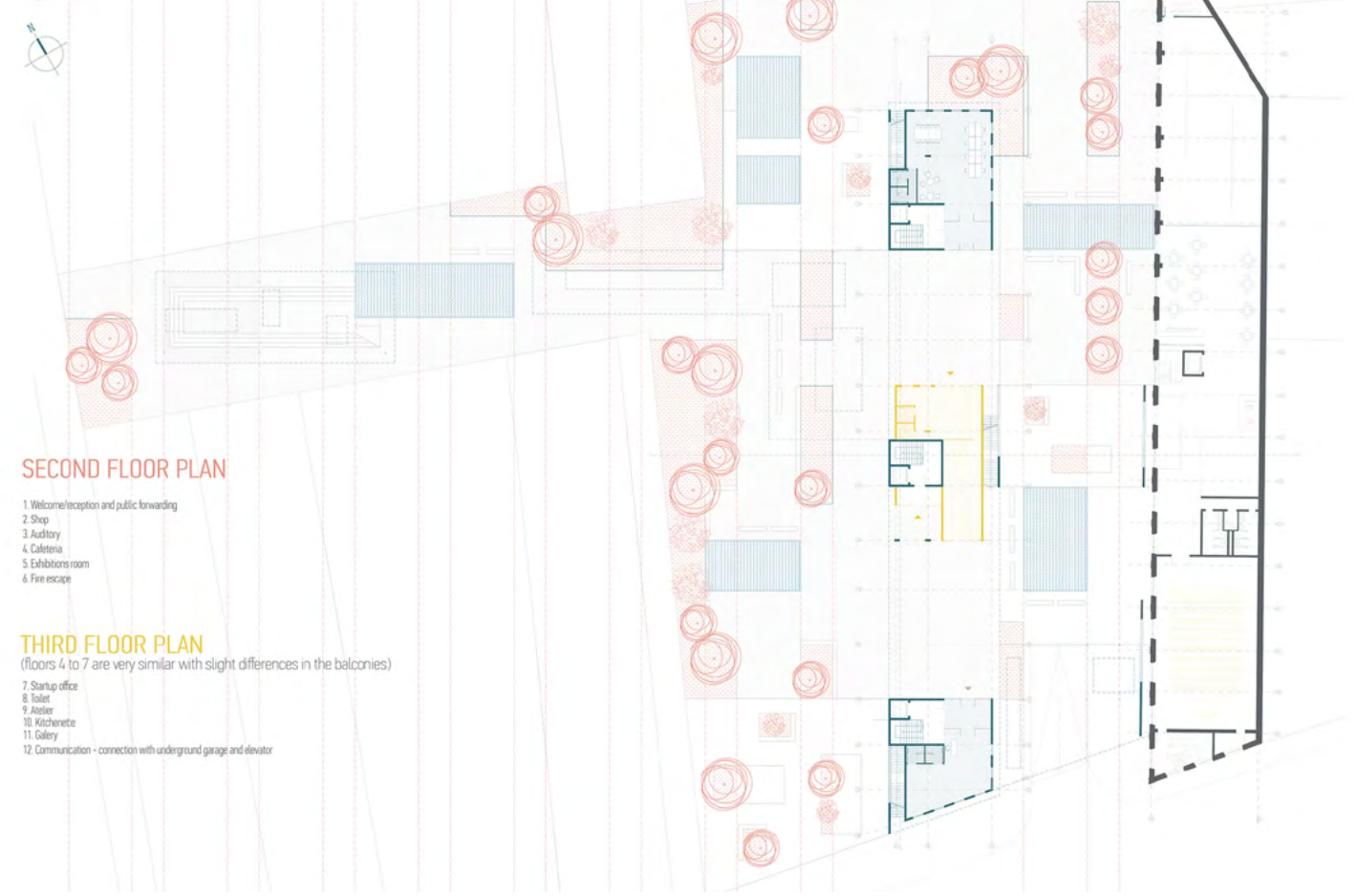
Mr Dušan
IGNJATOVIĆ





TEAM N°12
*University of Belgrade
Faculty of Architecture*

GROUND FLOOR PLAN
scale 1:200



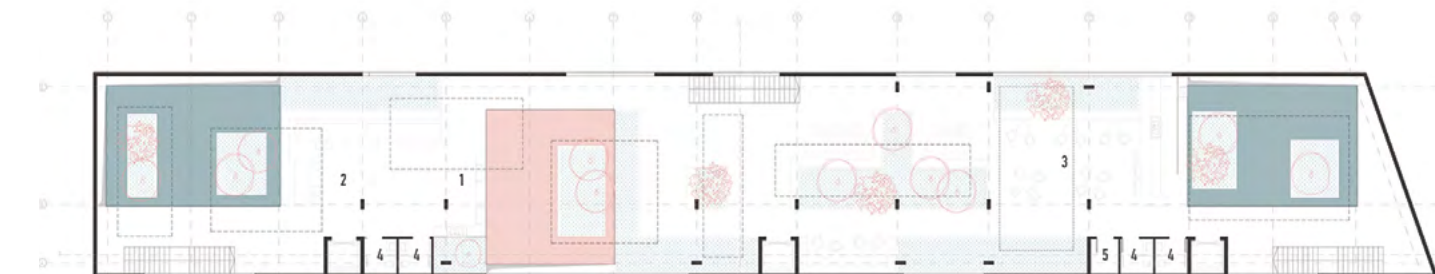
SECOND FLOOR PLAN

- 1. Welcome/reception and public forwarding
- 2. Shop
- 3. Auditory
- 4. Cafeteria
- 5. Exhibition room
- 6. Storage

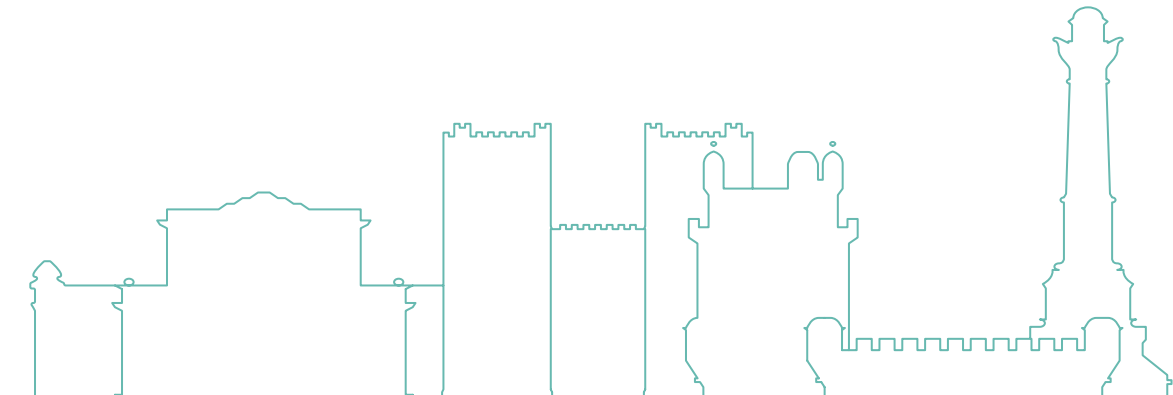
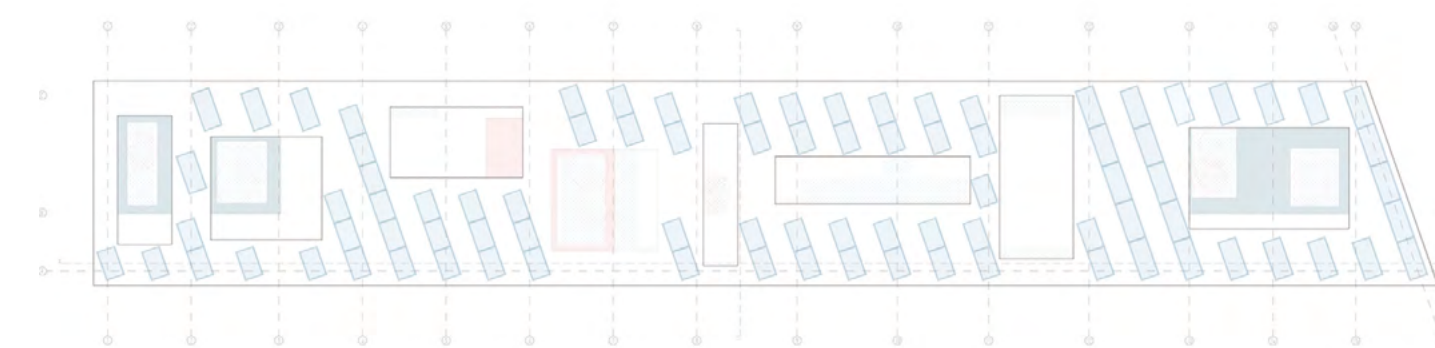
THIRD FLOOR PLAN

(floors 4 to 7 are very similar with slight differences in the balconies)

- 7. Studio office
- 8. Studio
- 9. Studio
- 10. Studio
- 11. Gallery
- 12. Communication - connection with underground garage and elevator

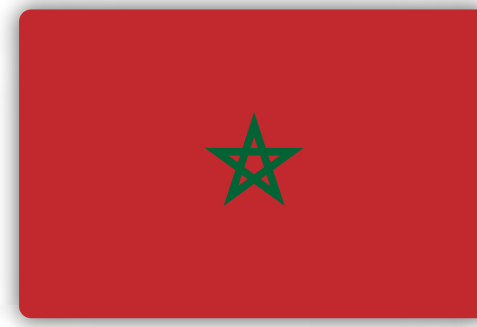


FLOOR PLAN





Morocco



TEAM N°13
*National School
of Architecture - Fes*

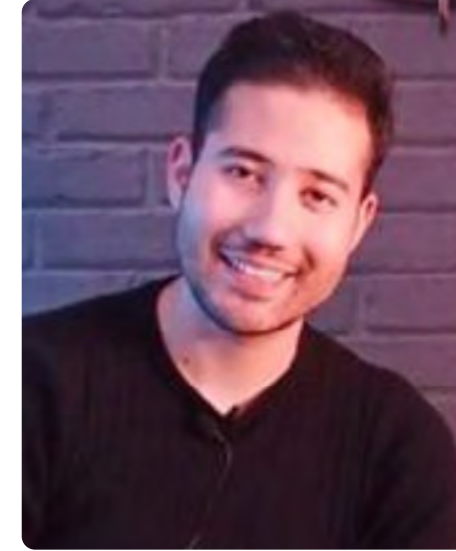
Student team



**Hajar
EL AMMARI**



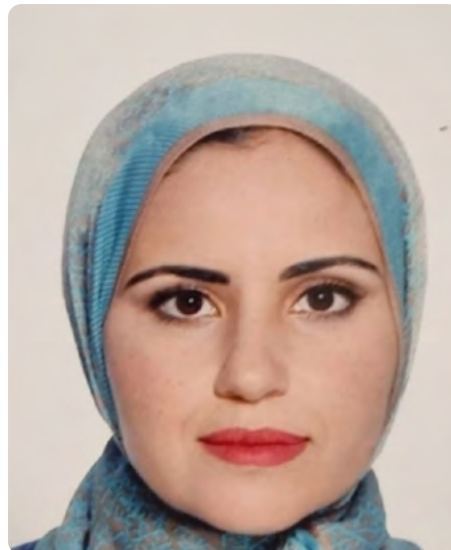
**Oumayma
BABAKHOUYA**



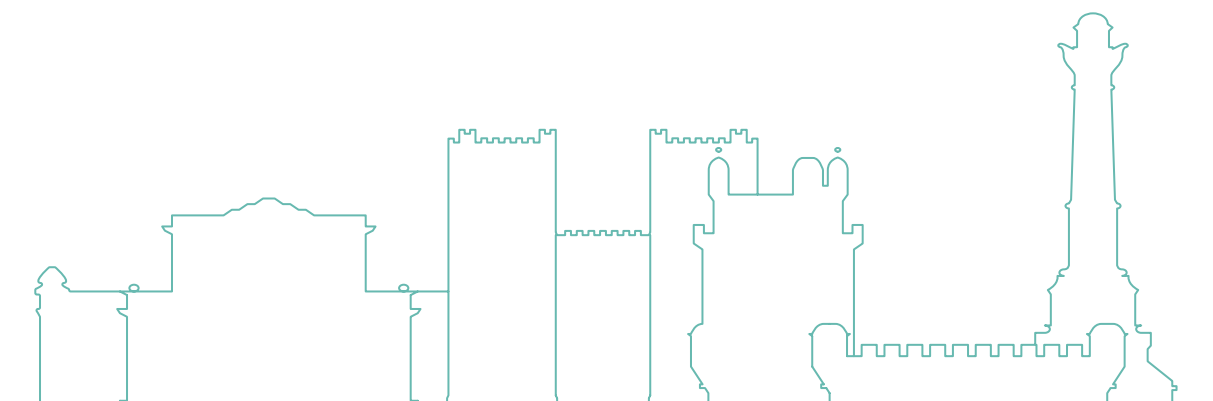
**Saad
BENLABHILI**



Professor

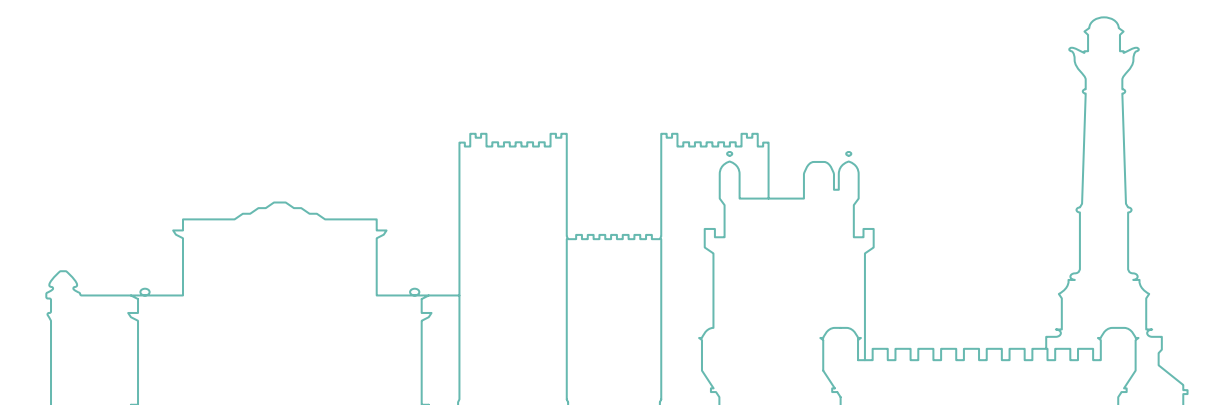
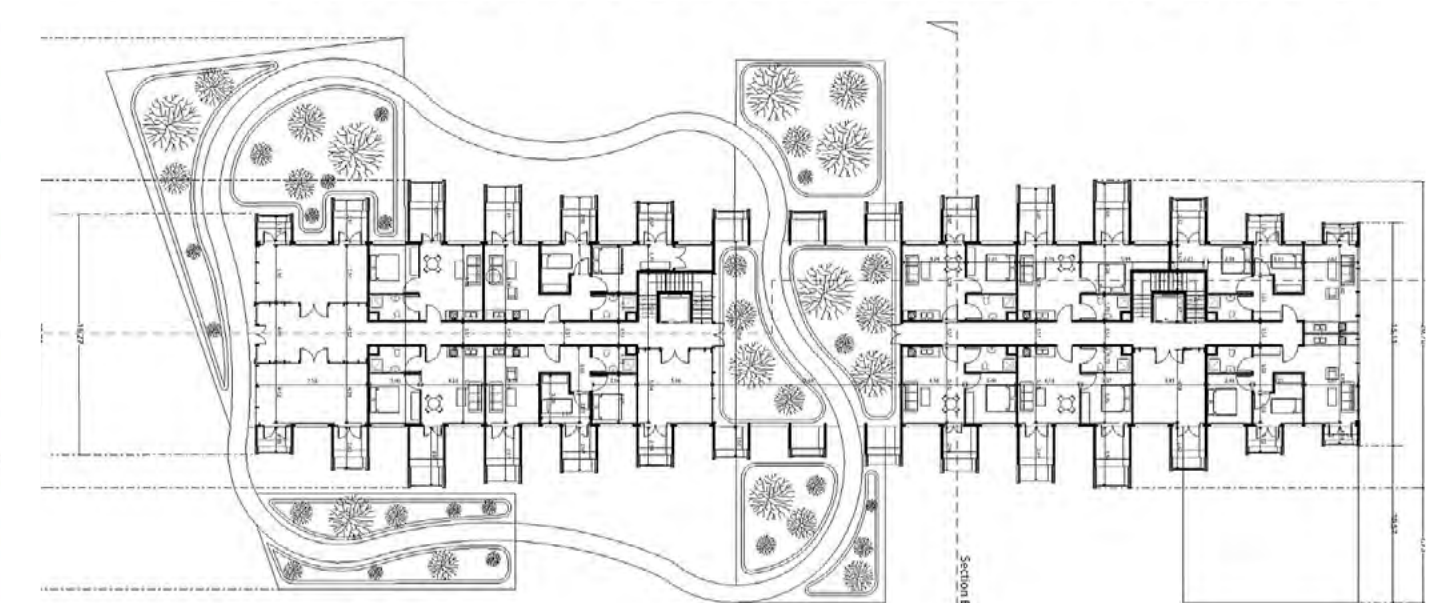
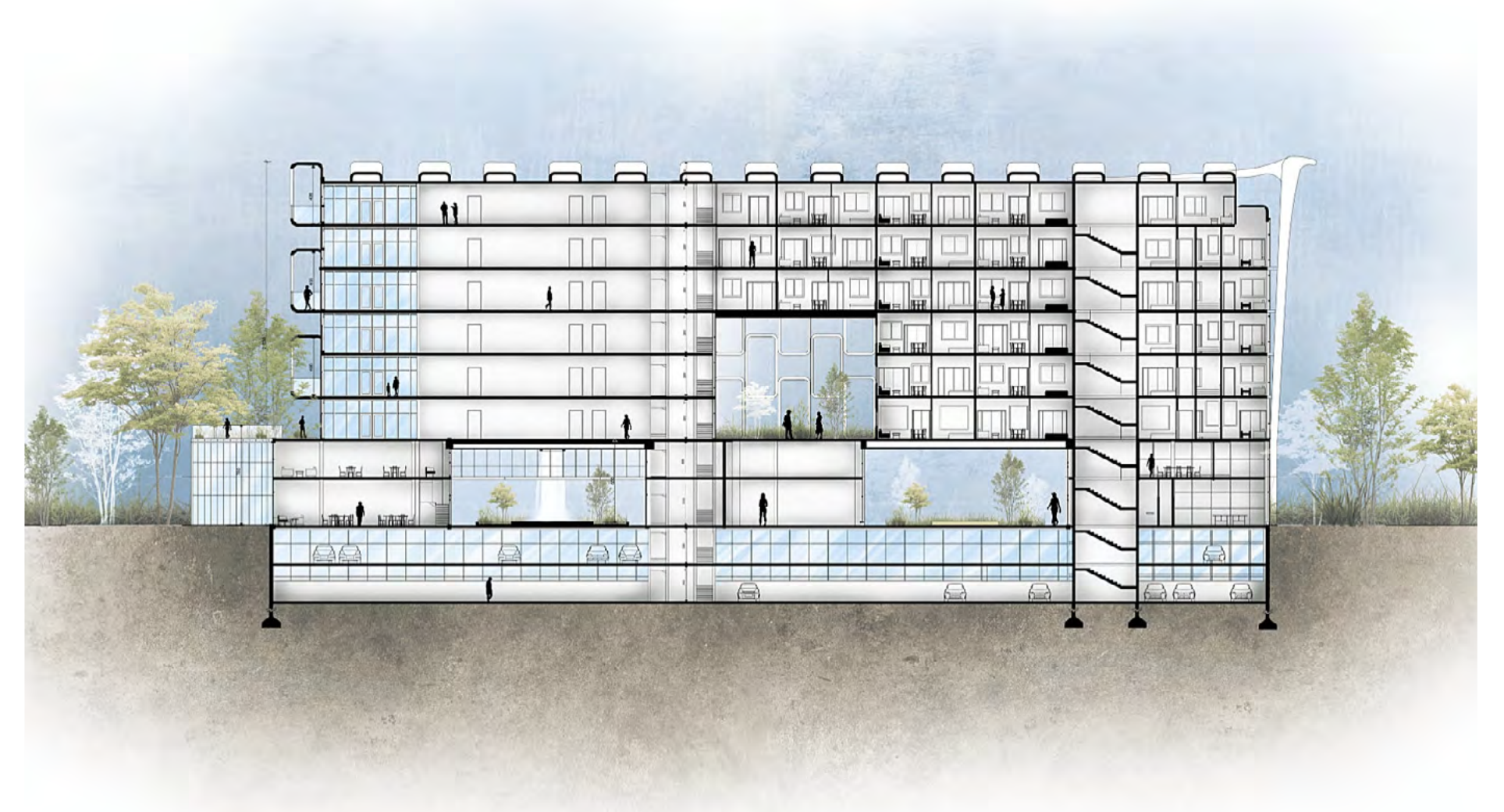
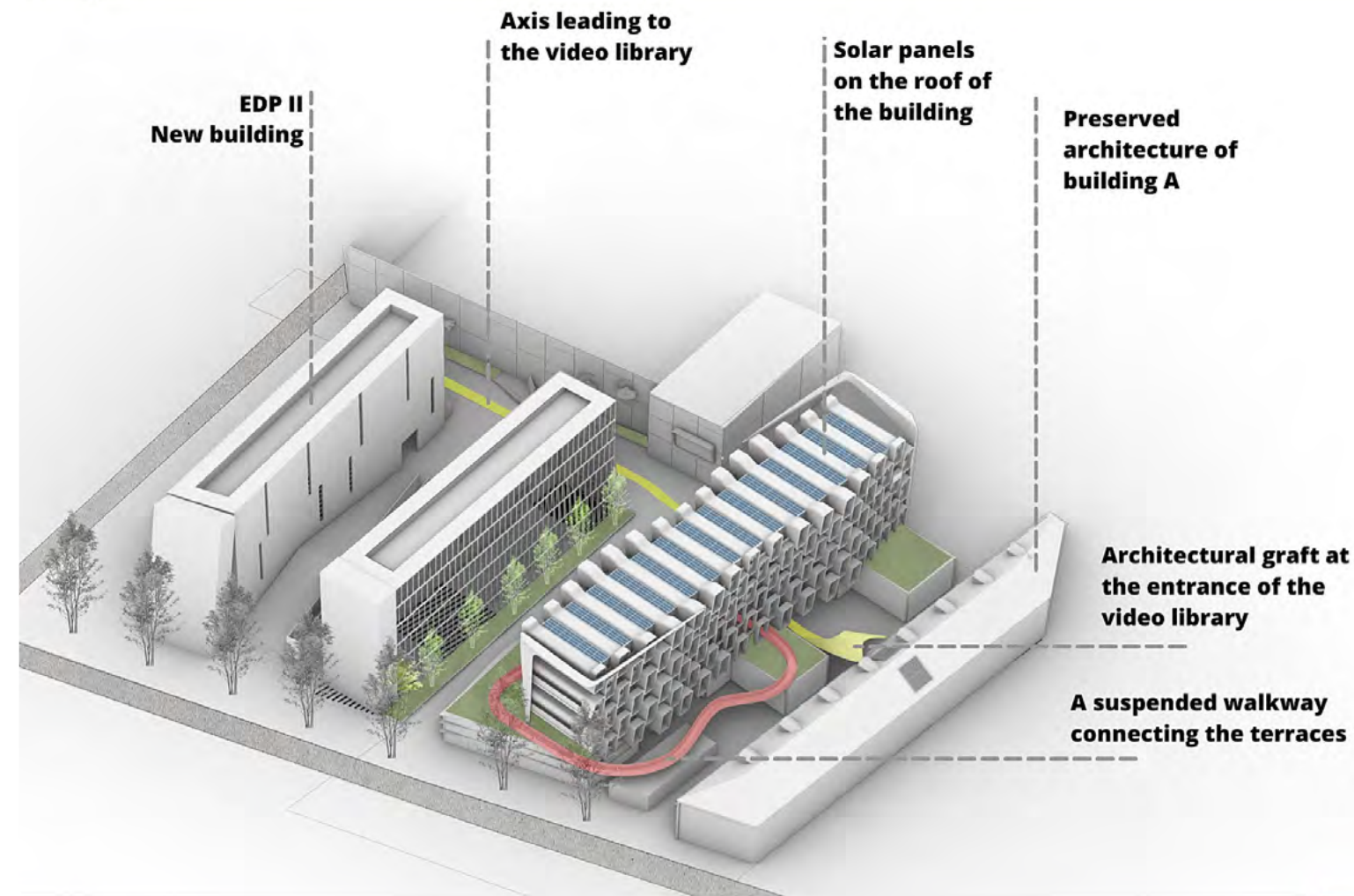


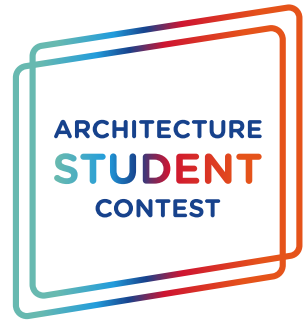
**Ms Nada
ES-SELLAK**





TEAM N°13
*National School
of Architecture - Fes*





Czech
Republic



TEAM N°14

*Czech Technical
University in Prague*

Student team

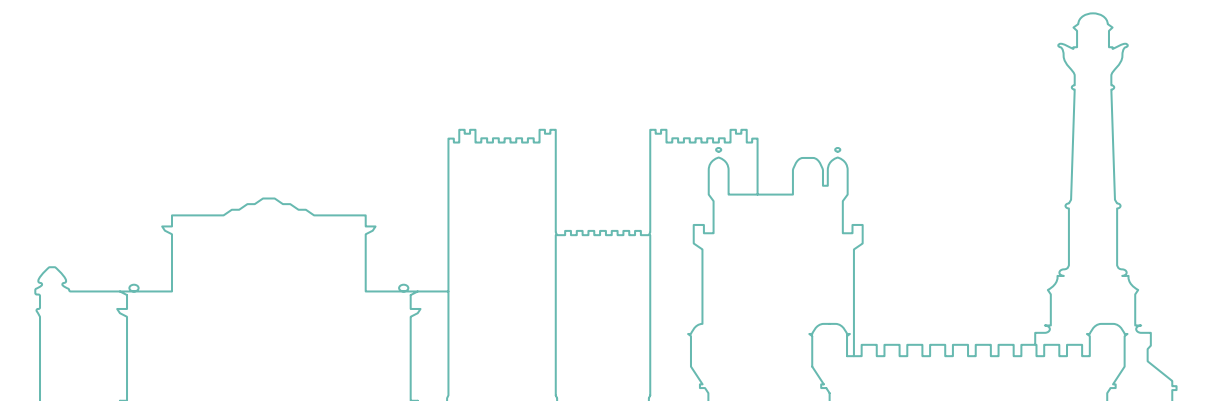


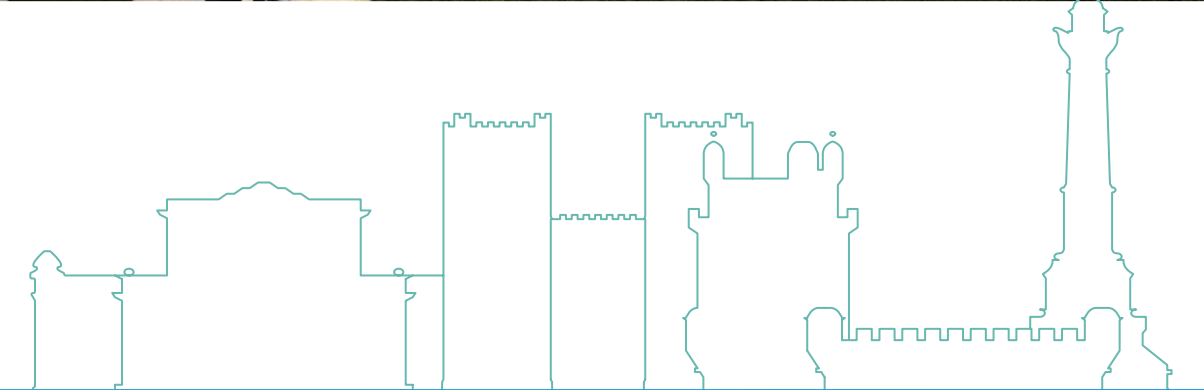
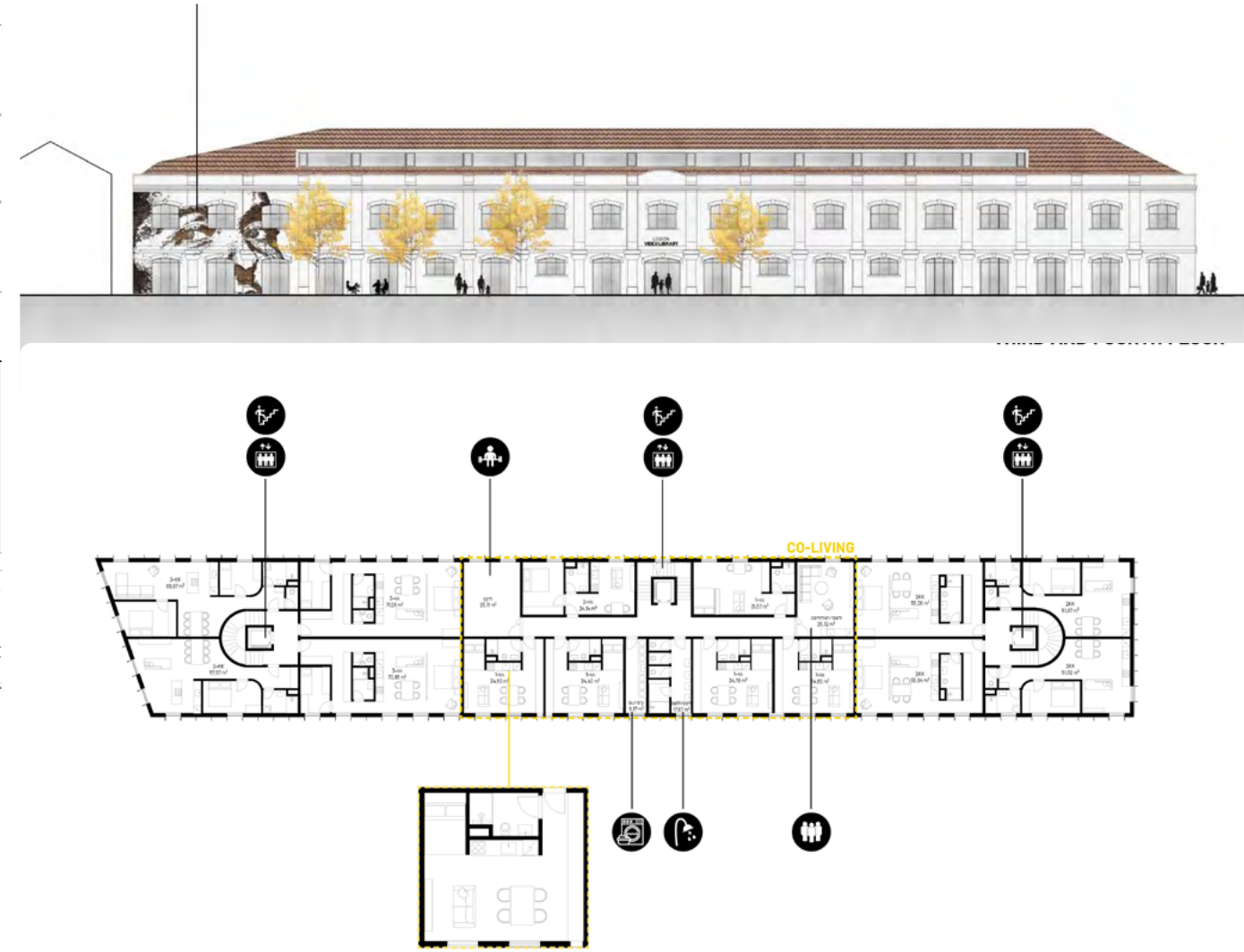
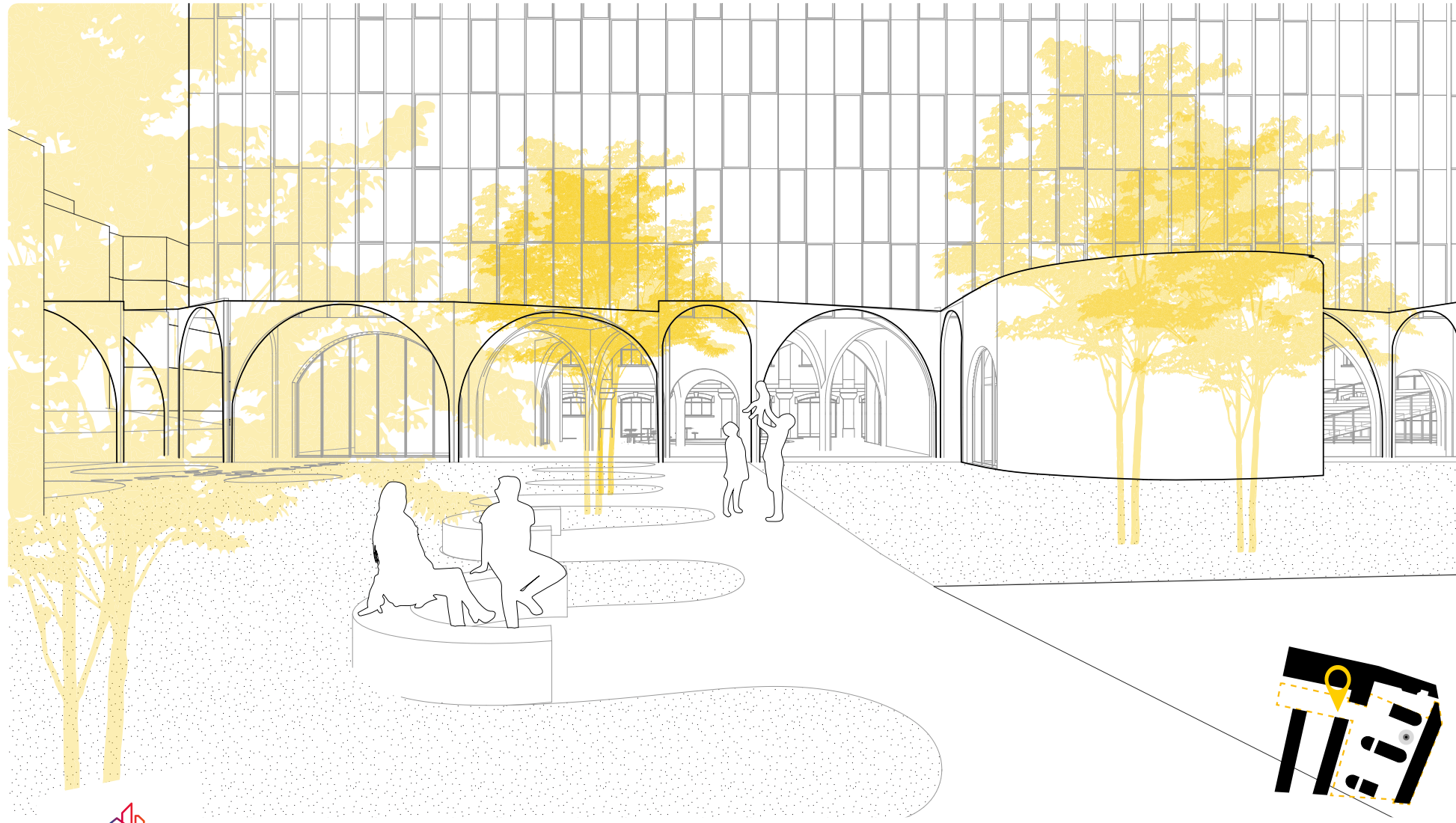
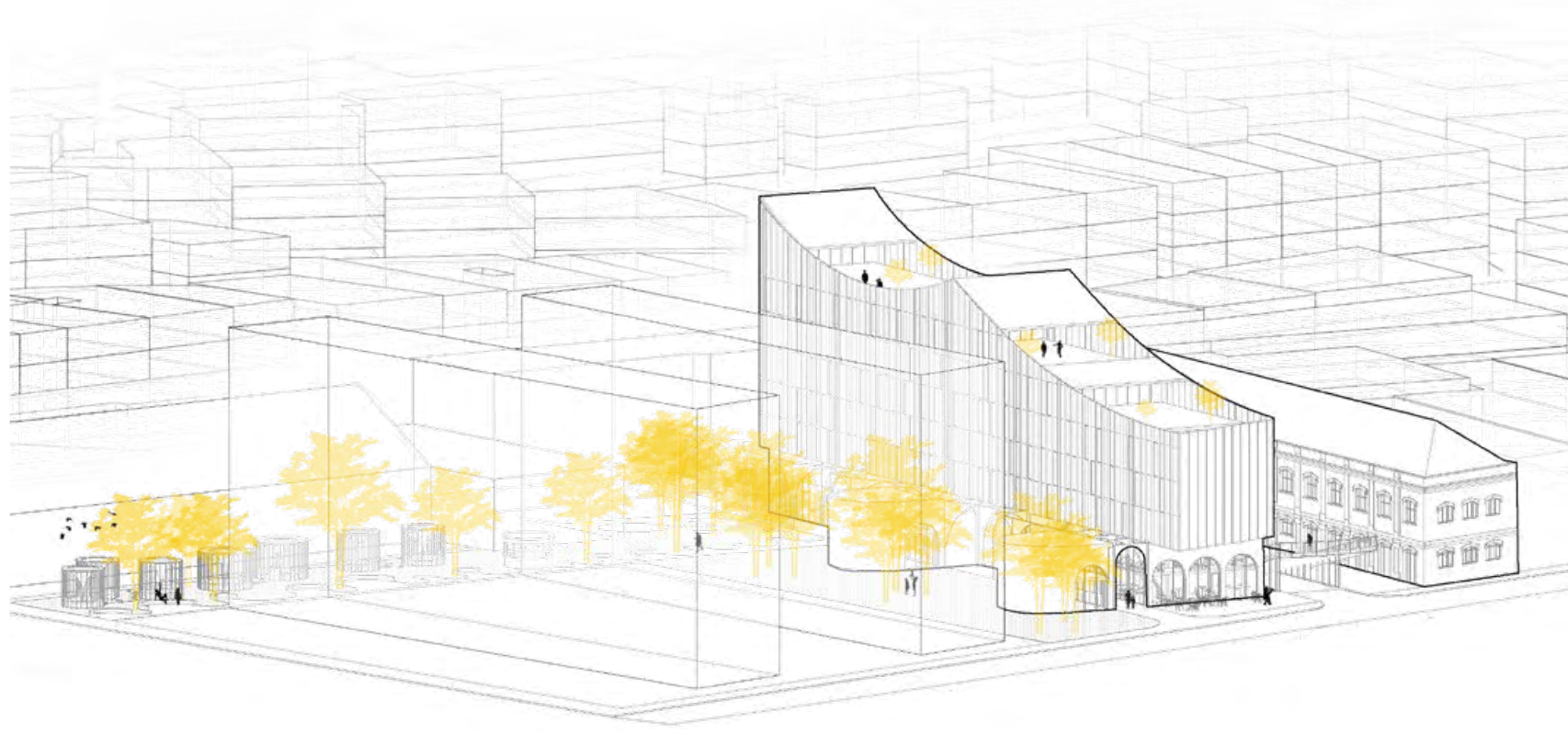
**Lucie
FORMANOVÁ**

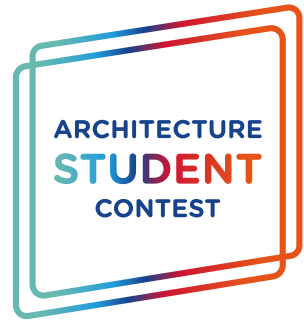
Professor



**Mr Stark
MARTIN**







Estonia



TEAM N°15
*Tallinn University
of Technology*

Student team



**Karl Toomas
RADIK**

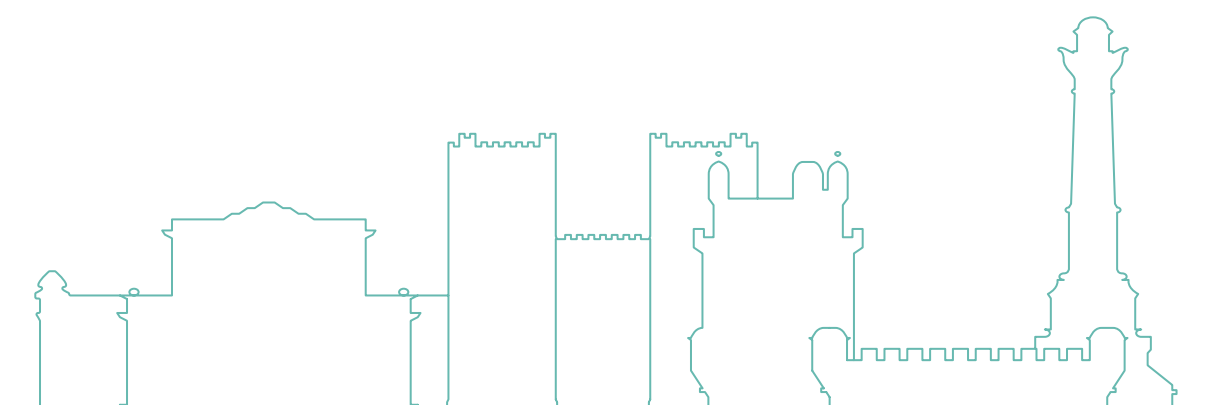


**Matthias
VESKI**

Professor



**Ms Irina
RAUD**

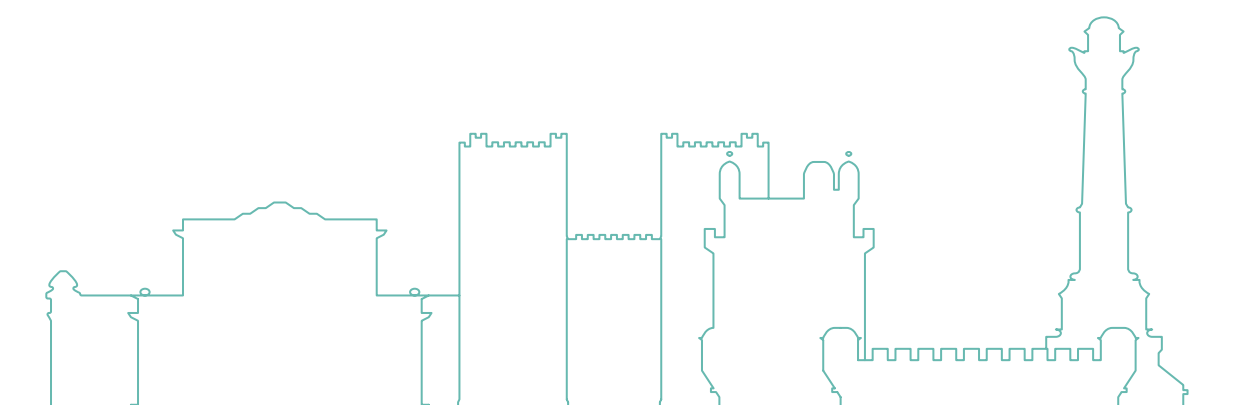
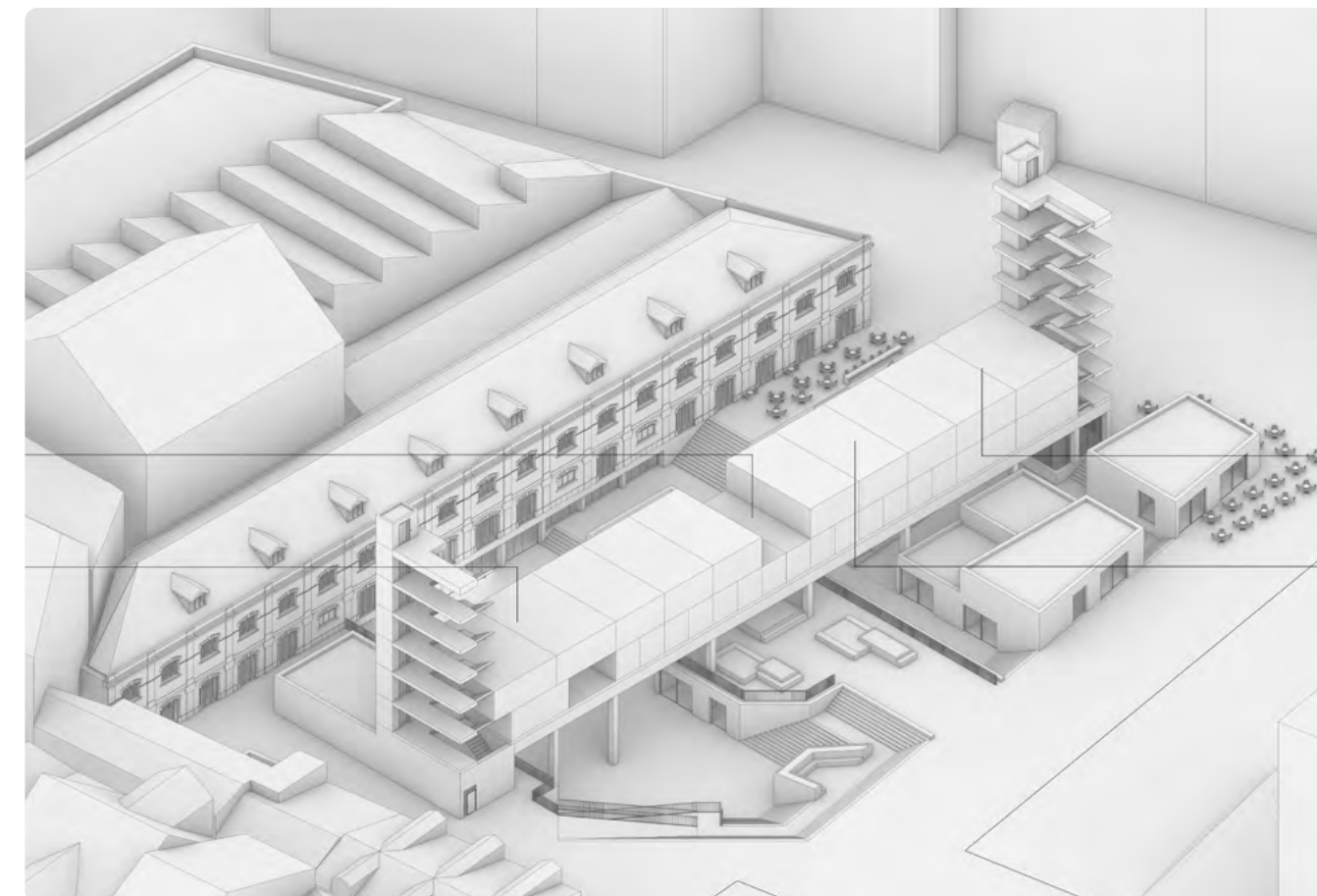
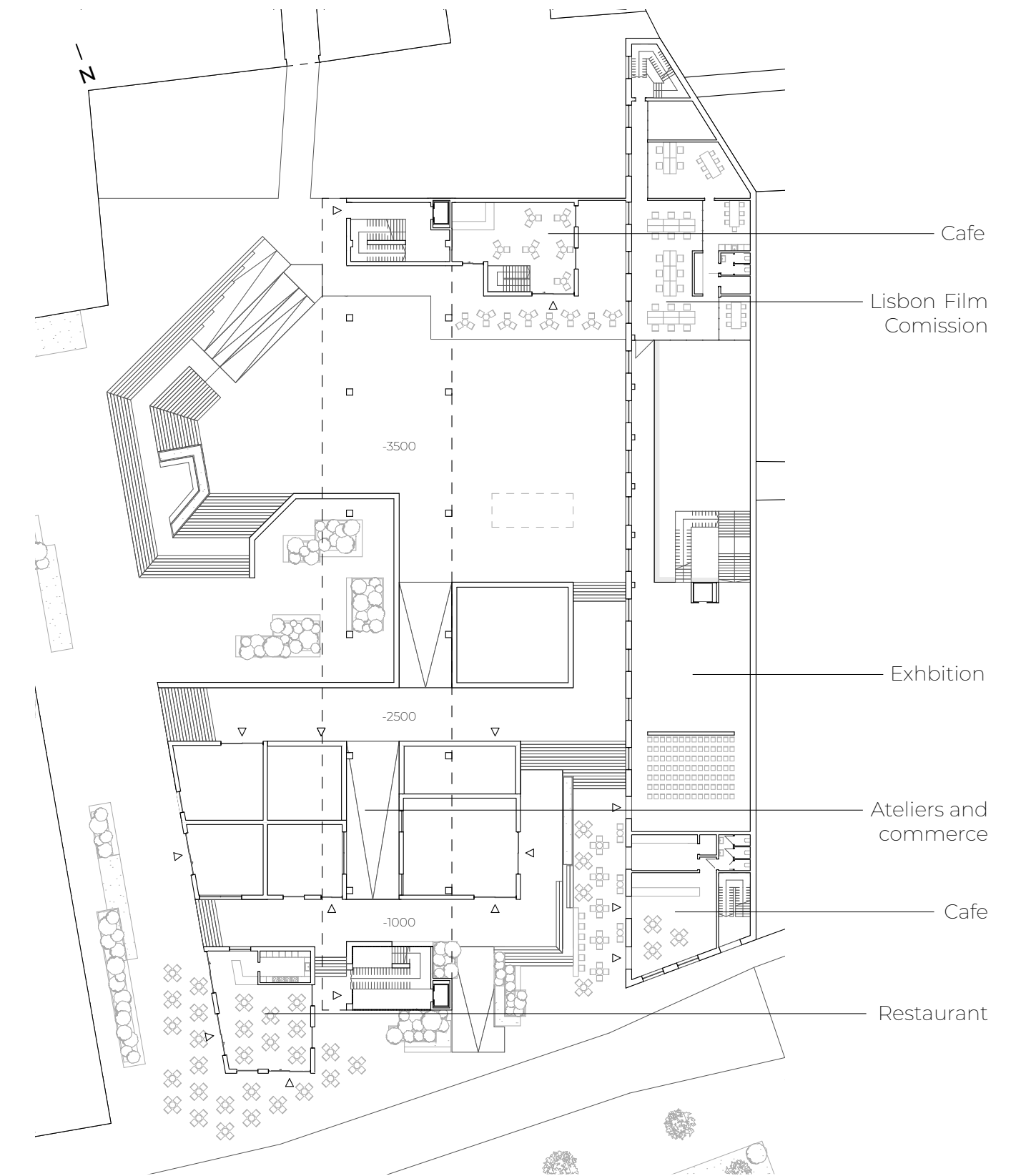


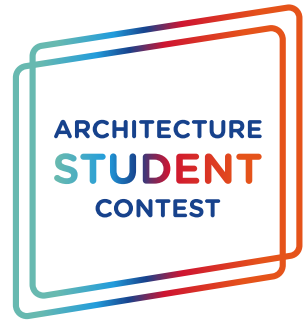
Estonia



TEAM N°15

Tallinn University
of Technology





Lebanon



TEAM N°16
Holy Spirit
University of Kaslik

Student team

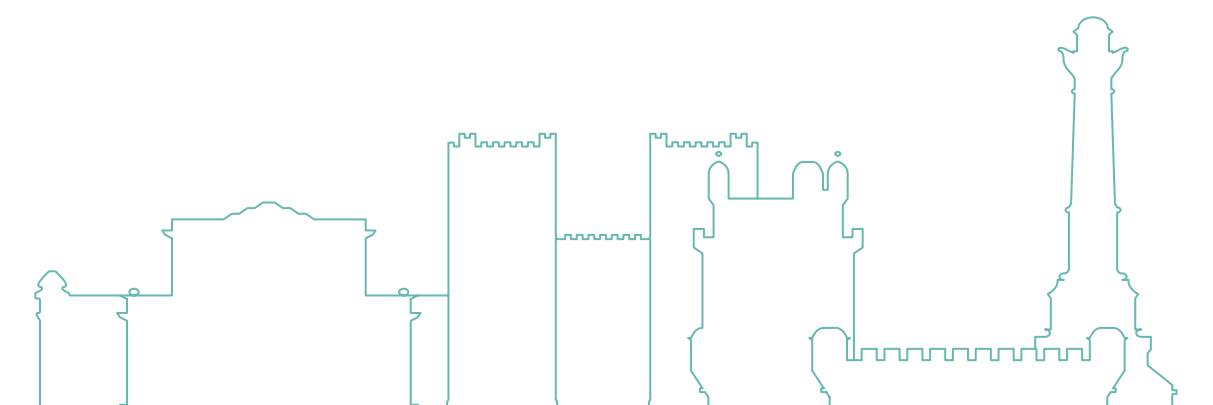


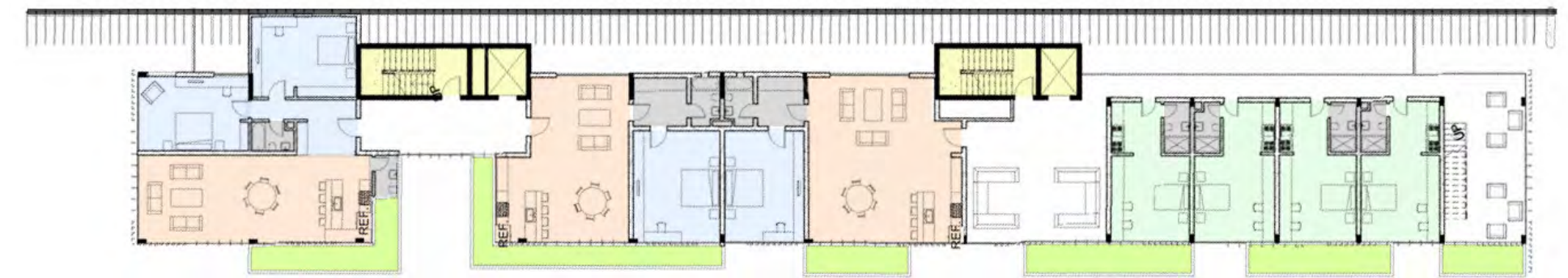
Angela HANNA

Professor



Mr Antoine YOUNAN

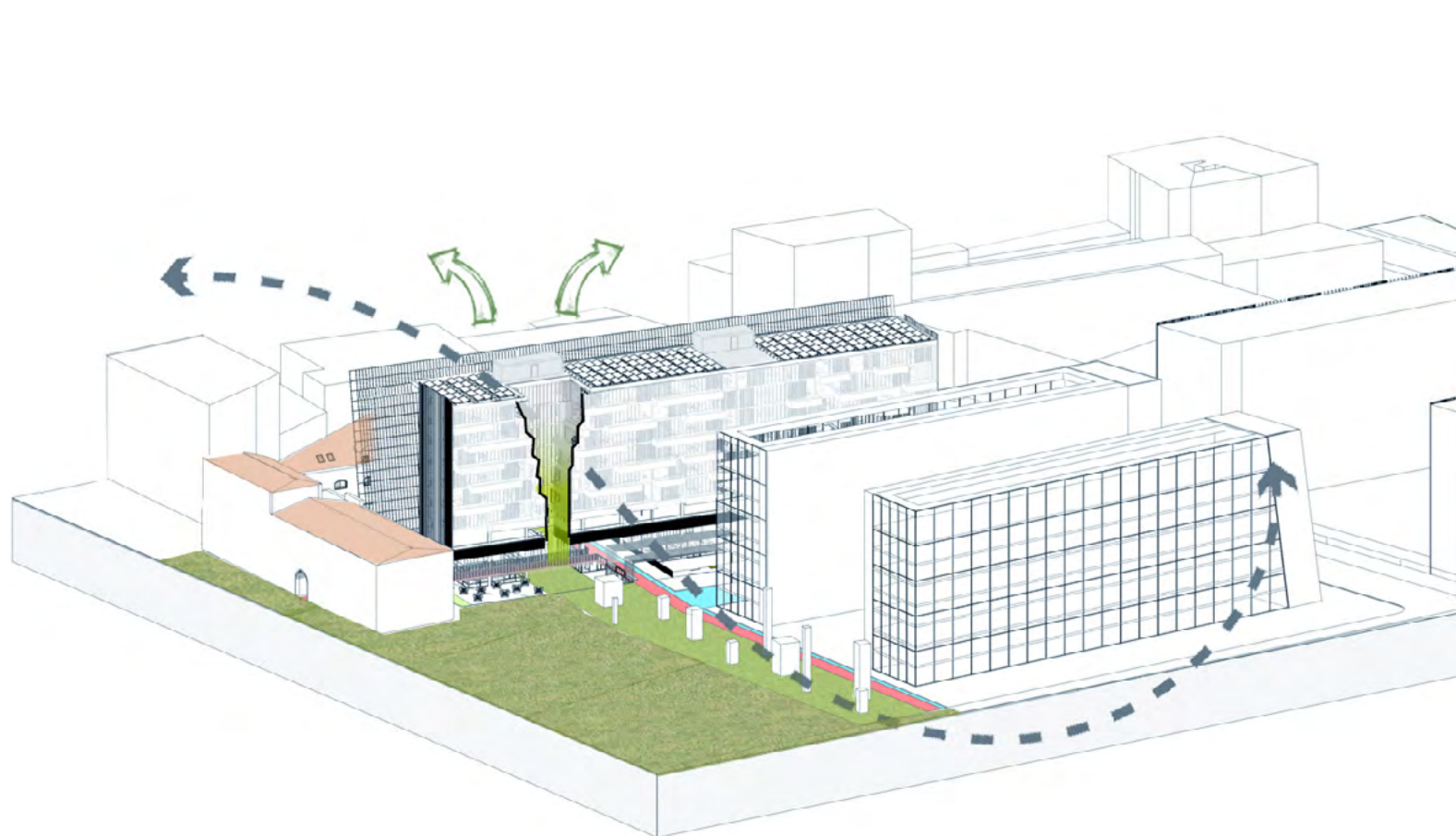
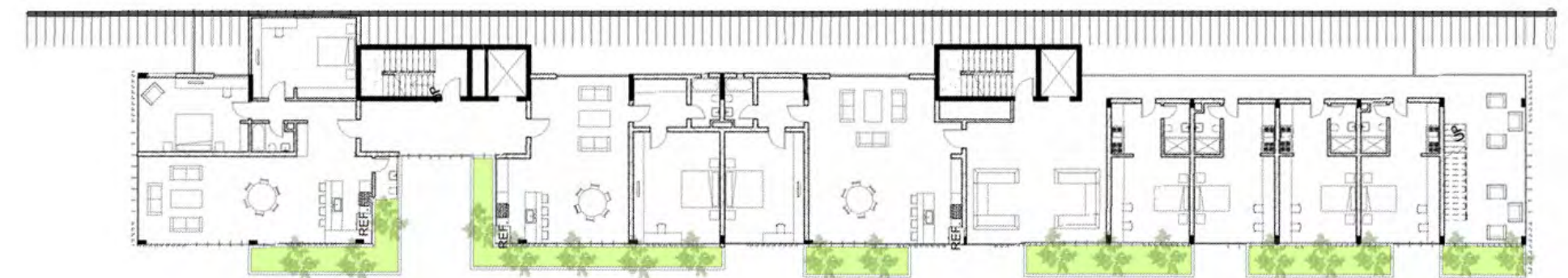




2 bedroom apartment

1 bedroom apartment

co-living spaces



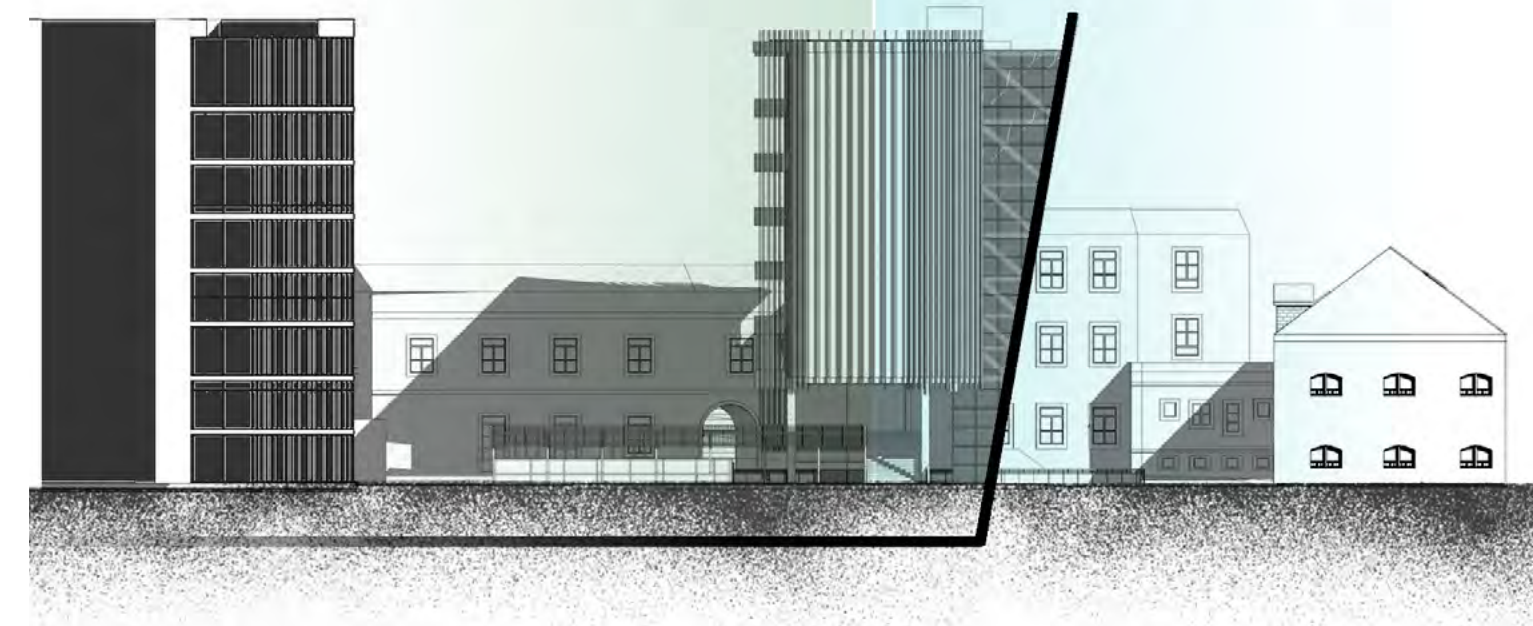
eflect
HANNA

REFLECTING
EYE

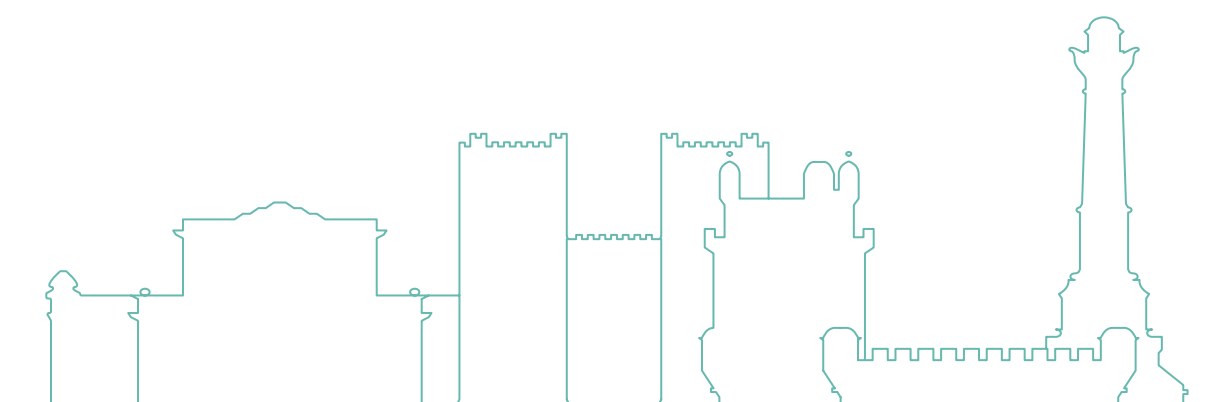
CONC

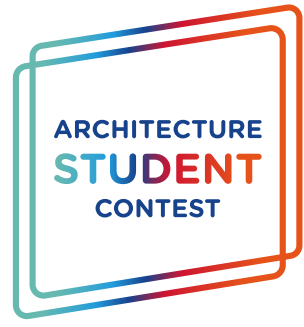
THE FUTURE
EMBRACING SUSTAINABILITY

THE PAST
HONORING HISTORY



SOUTH E



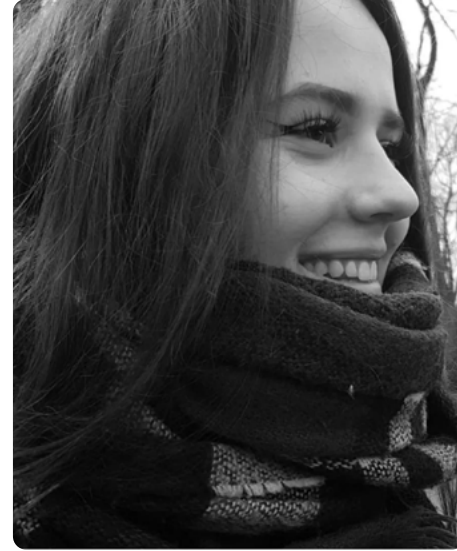


TEAM N°17
*Riga Technical
University*

Student team



**Sofija Anna
FREISA**

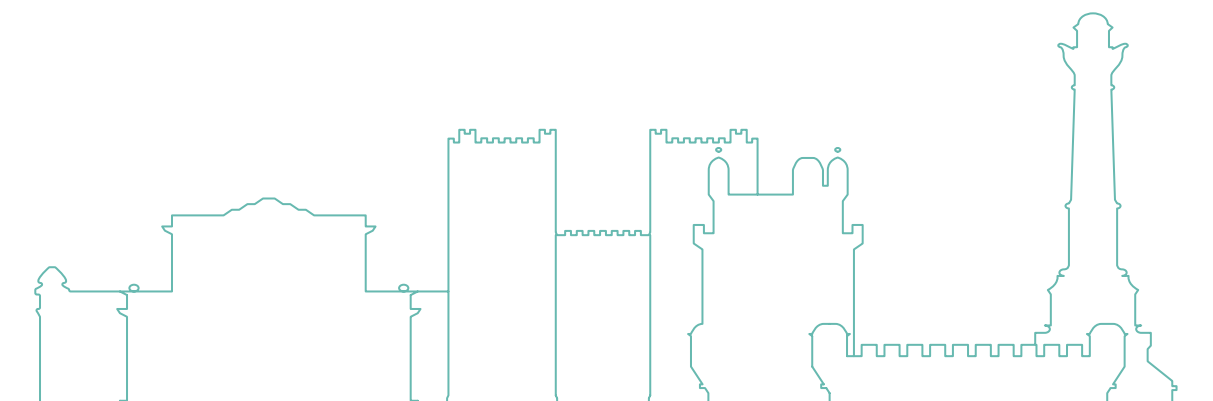


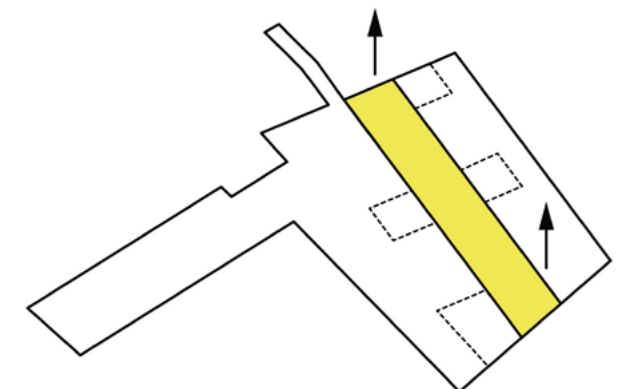
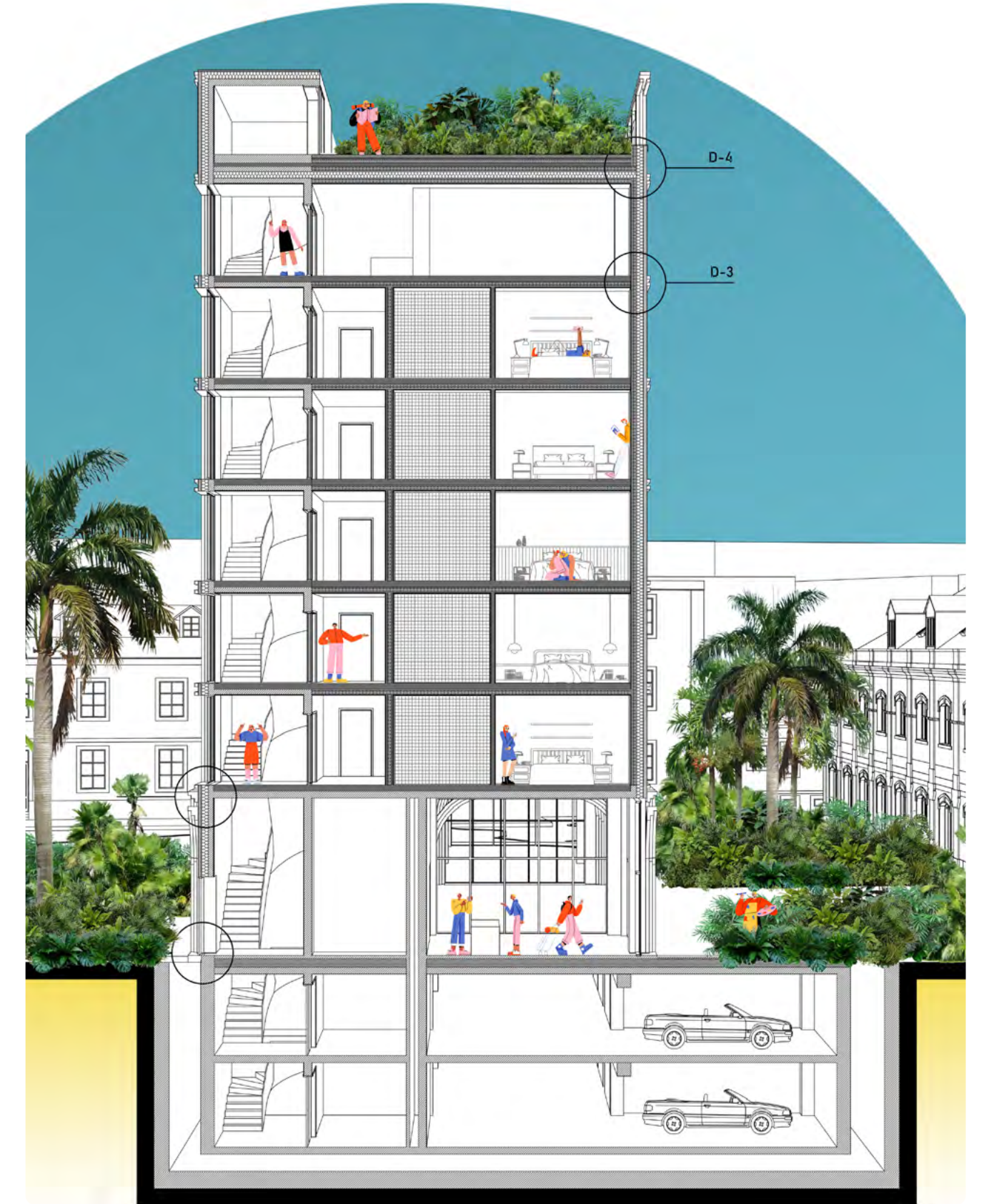
**Liene
SONDORE**

Professor

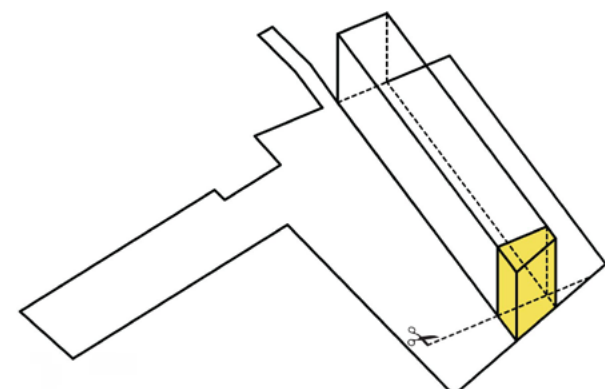


**Mr Edgars
BONDARS**

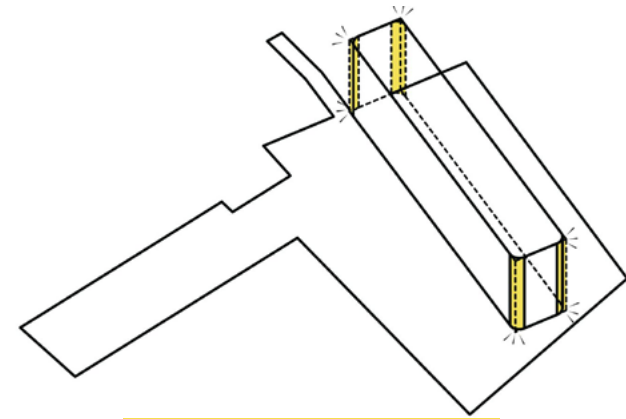




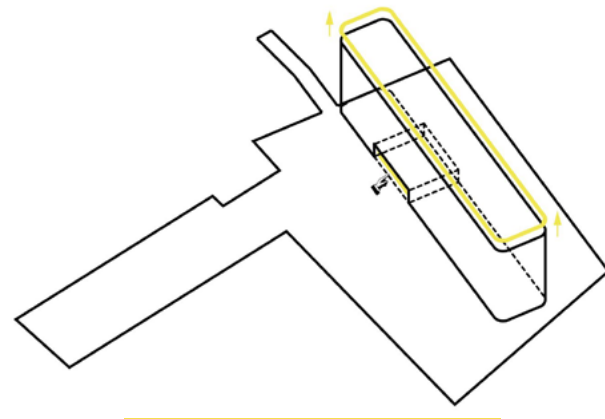
ENERGY EFFICIENT BUILDING SHAPE



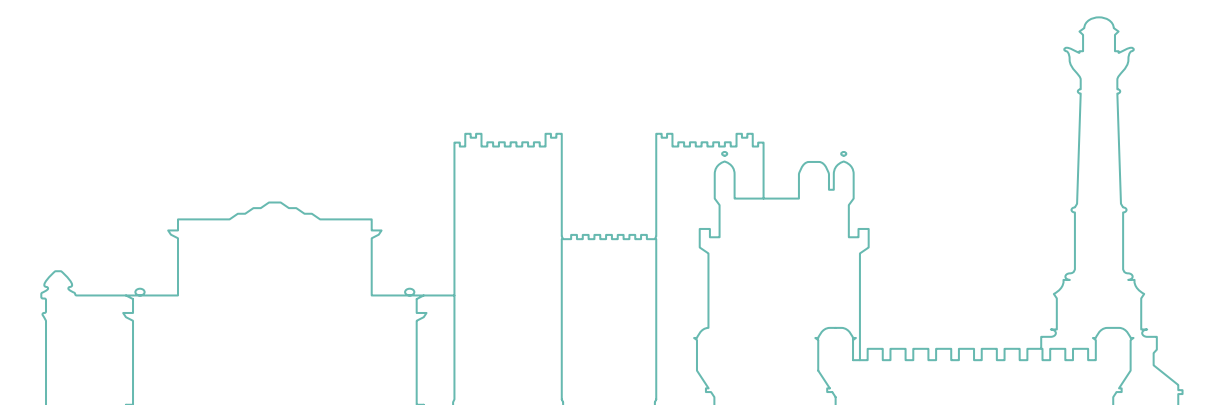
MINIMIZING THE SCALE



ROUNDED CORNERS



PASSAGE FOR VISUAL CONNECTION





Lithuania



TEAM N°19

*Vilnius Academy of Arts
Faculty of Kaunas*

Student team

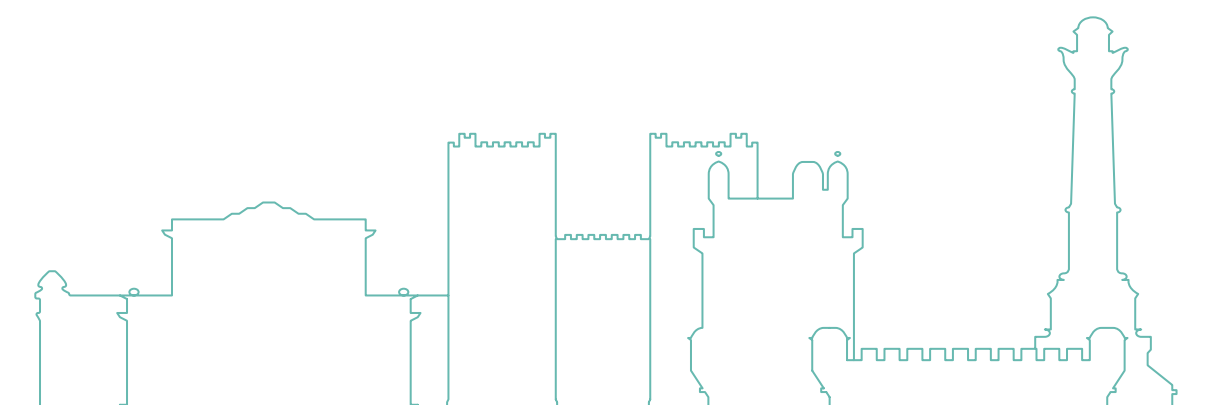


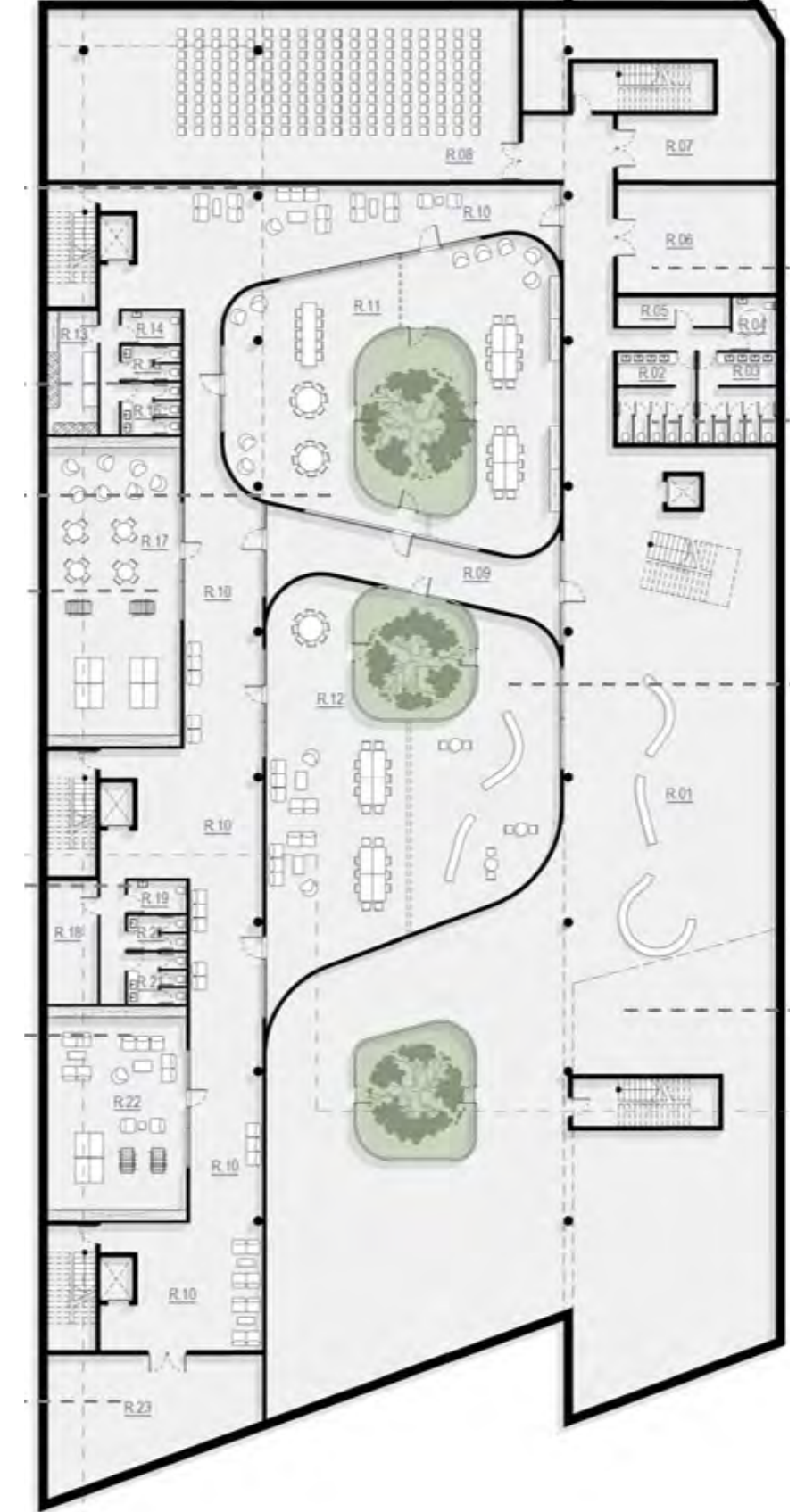
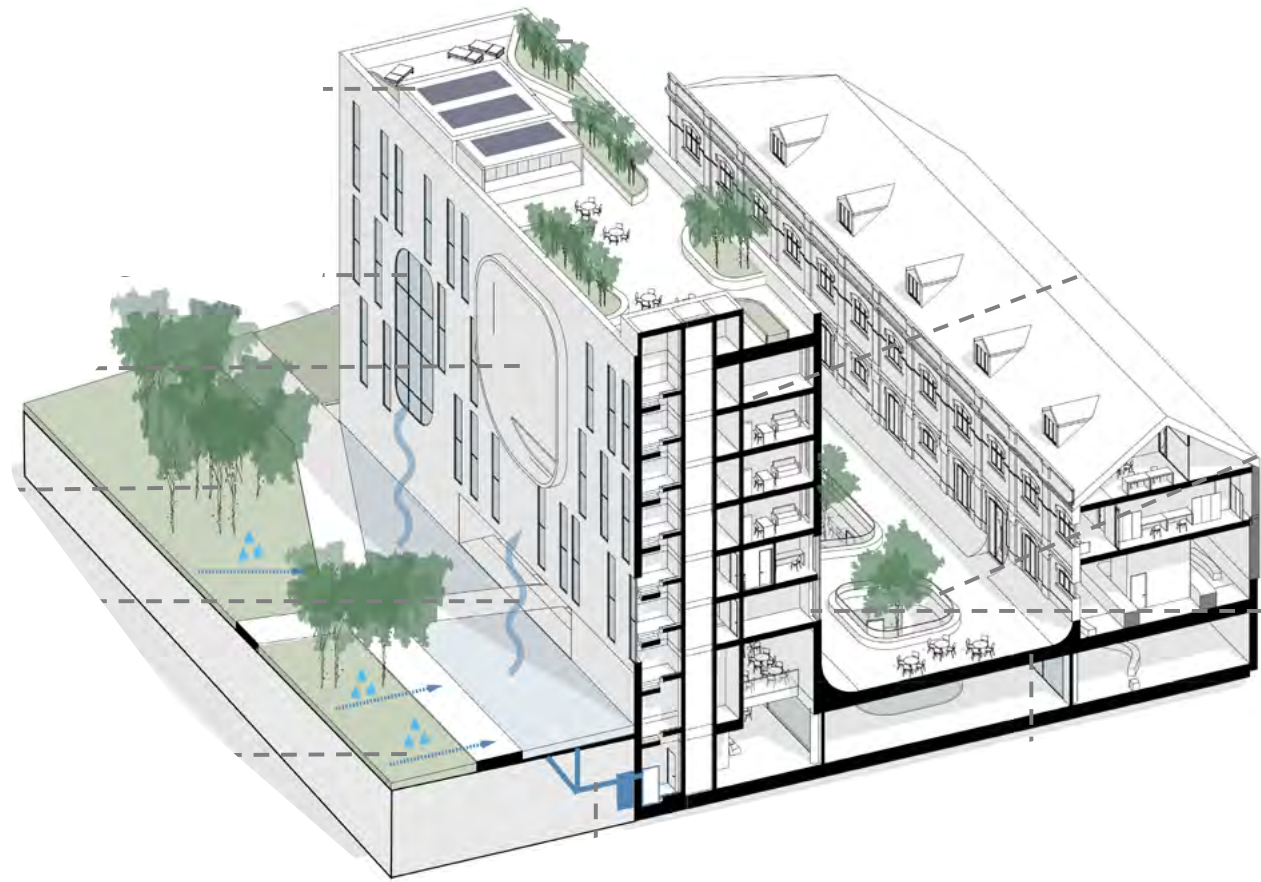
**Gabrielė
IBĖNAITĖ**

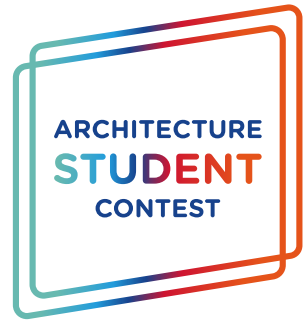
Professor



**Mr Rimantas
GIEDRAITIS**







TEAM N°20
*Faculty of Architecture
and Design STU*

Student team



**Sandra
BLAŠKOVIČOVÁ**

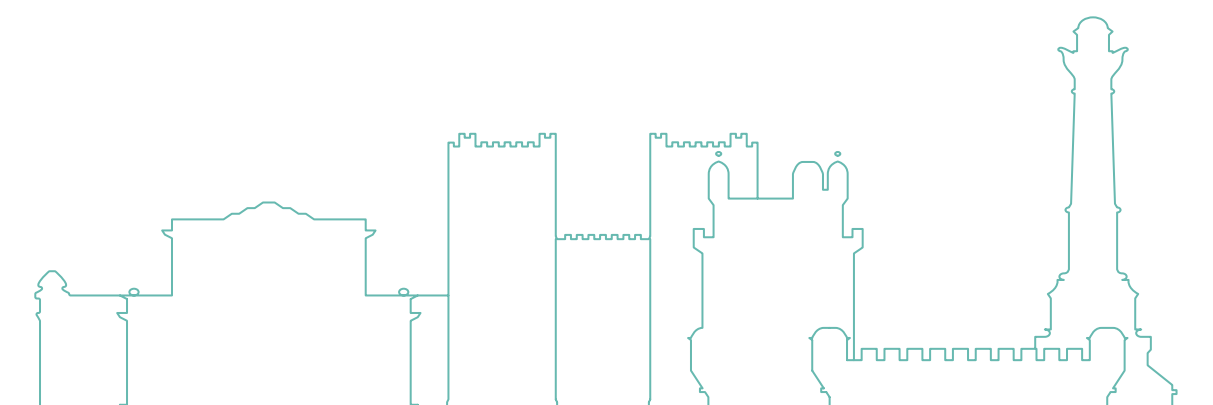


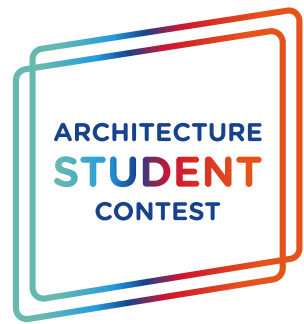
**Martina
BEŽOVÁ**

Professor



**Mr Michal
BOGÁR**



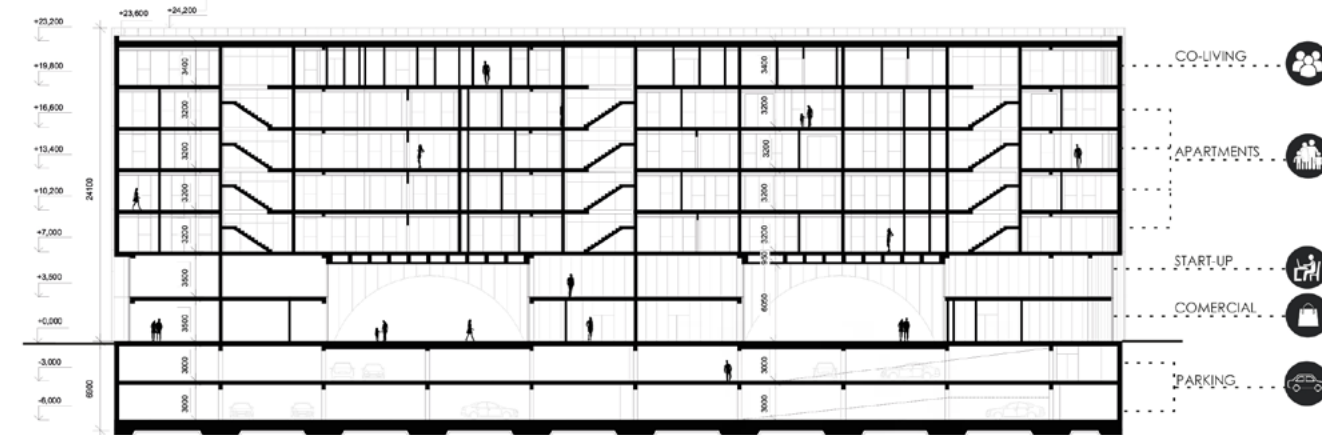
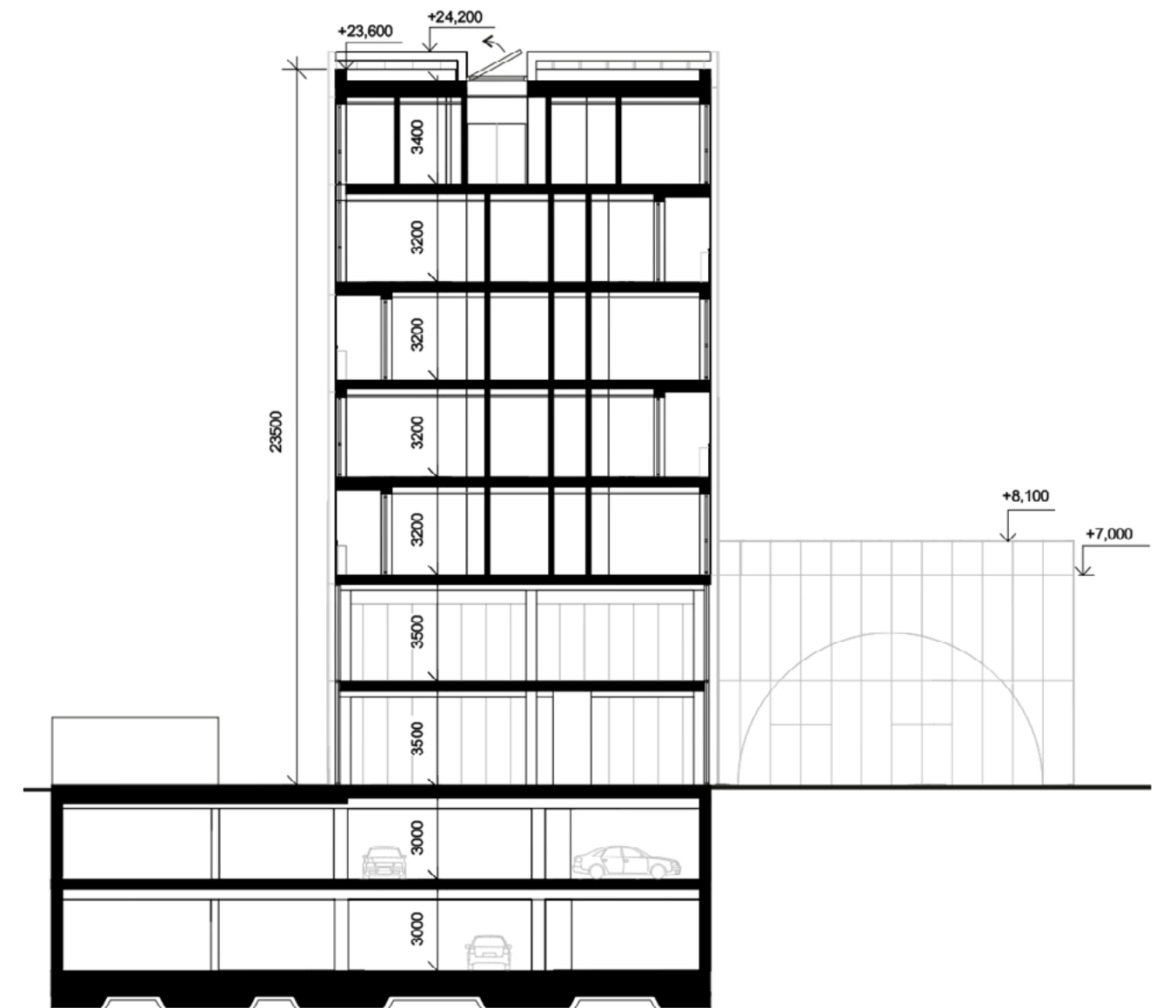
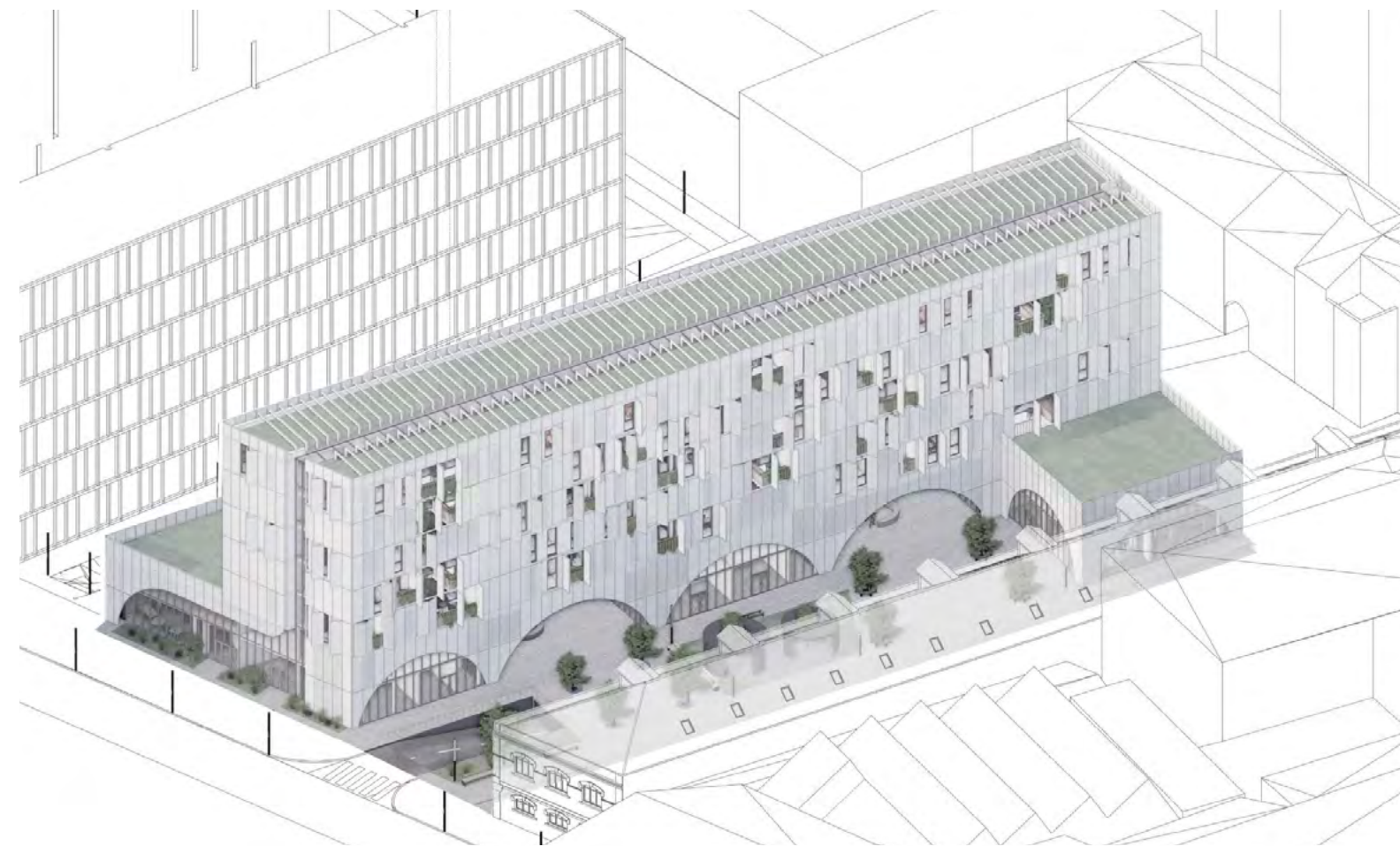
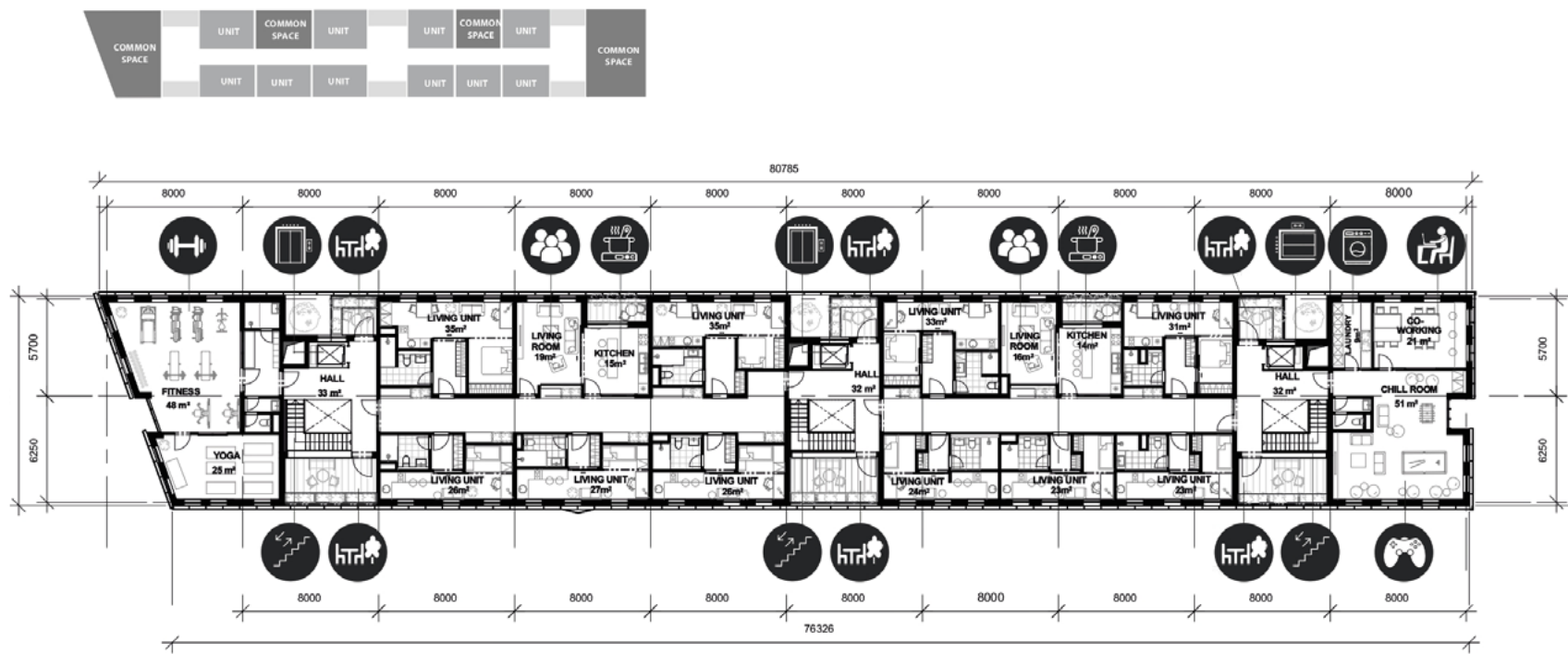


Slovakia

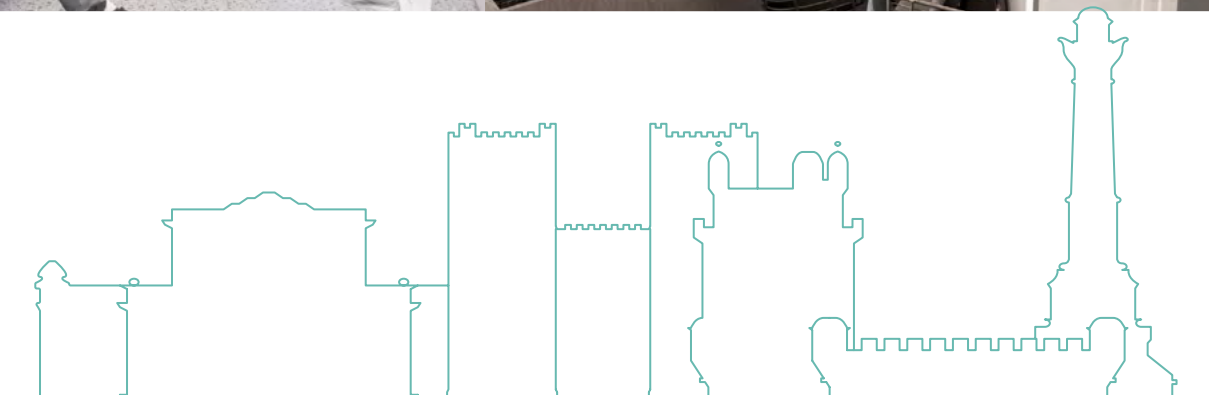


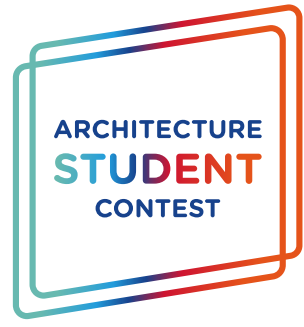
TEAM N°20

Faculty of Architecture and Design STU



WEST ELEVATION





United Arab Emirates



TEAM N°21

Manipal Academy of Higher Education

Student team



**Kashyapi
SHAH**



**Diyaa
KHAN**

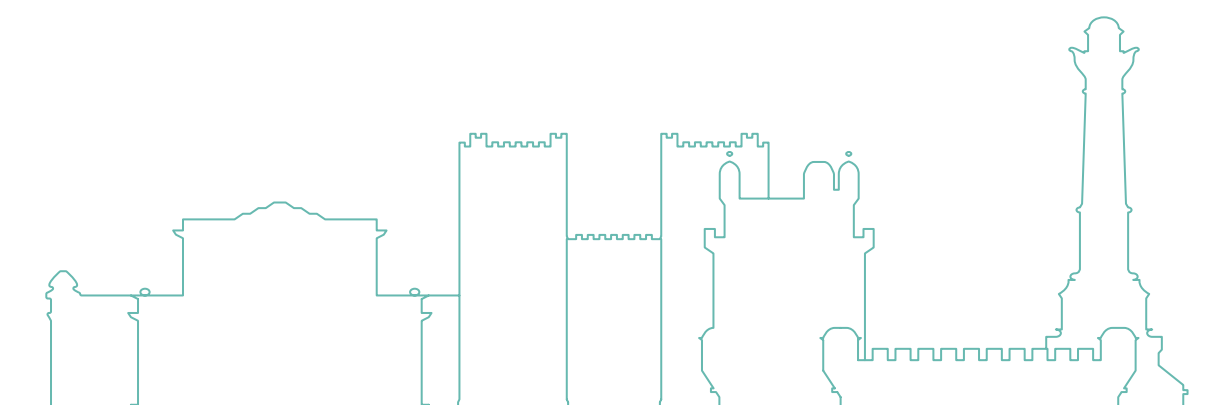


**Goutham
CHANDRA**

Professor

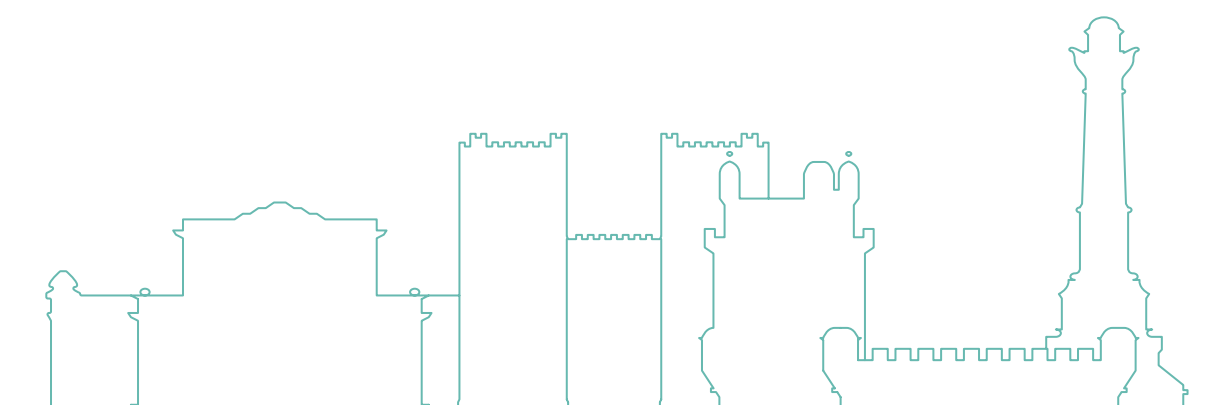


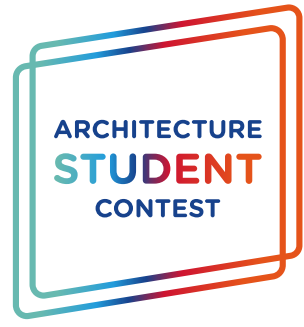
**Ms Bhakti
MORE**





TEAM N°21
*Manipal Academy
of Higher Education*





Kyrgyzstan



TEAM N°22

*Kyrgyz State
Technical University*

Student team



**Kerim
ASYLBEKOV**

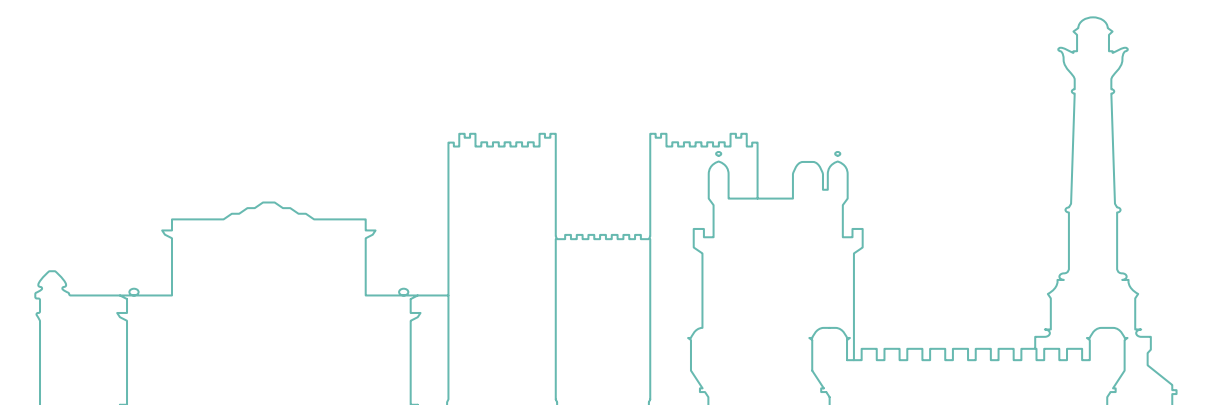


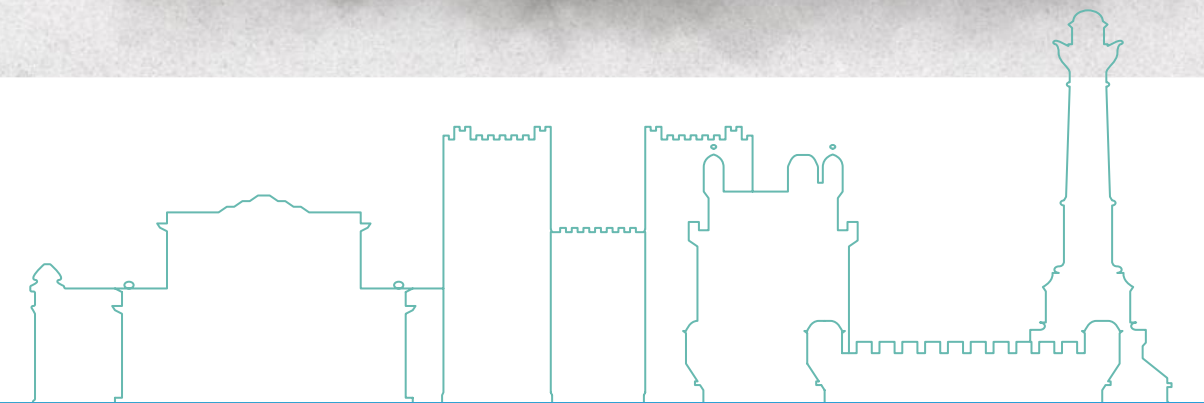
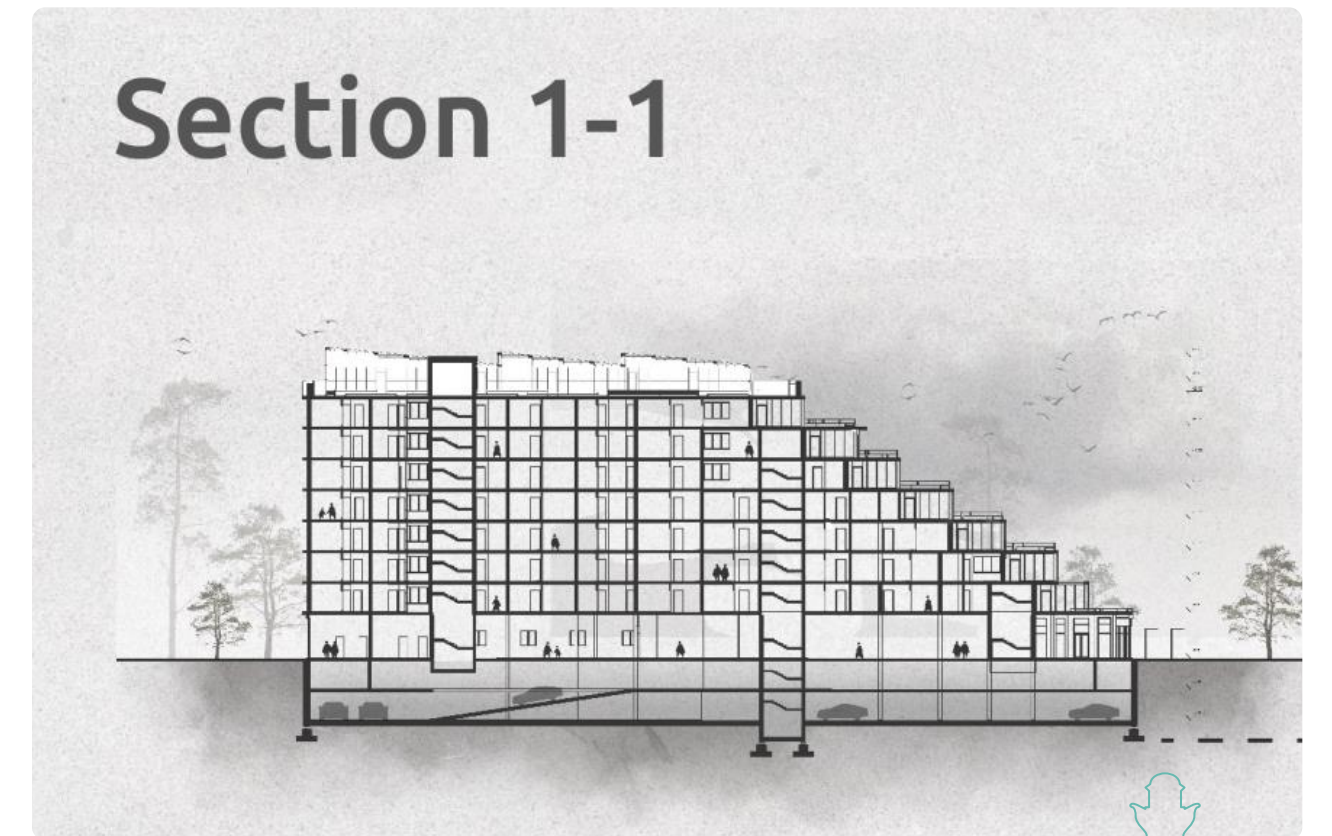
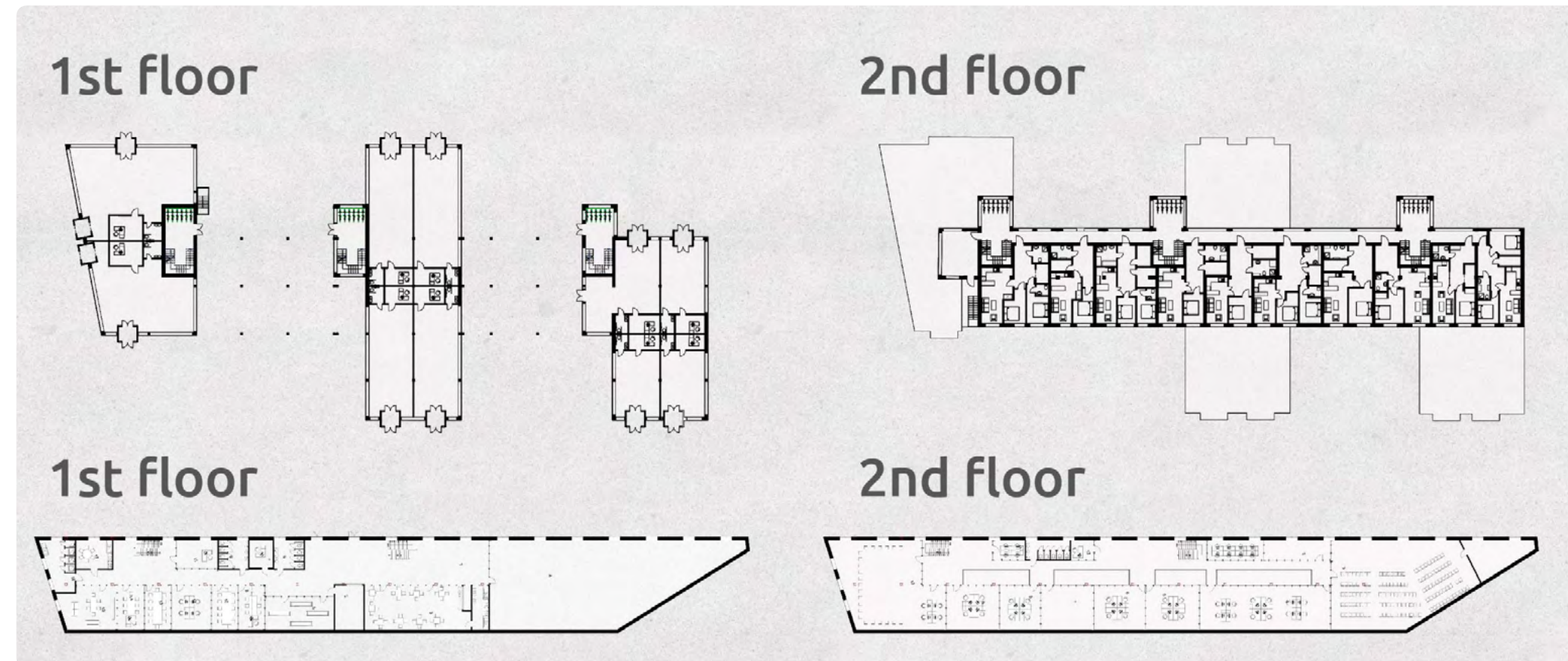
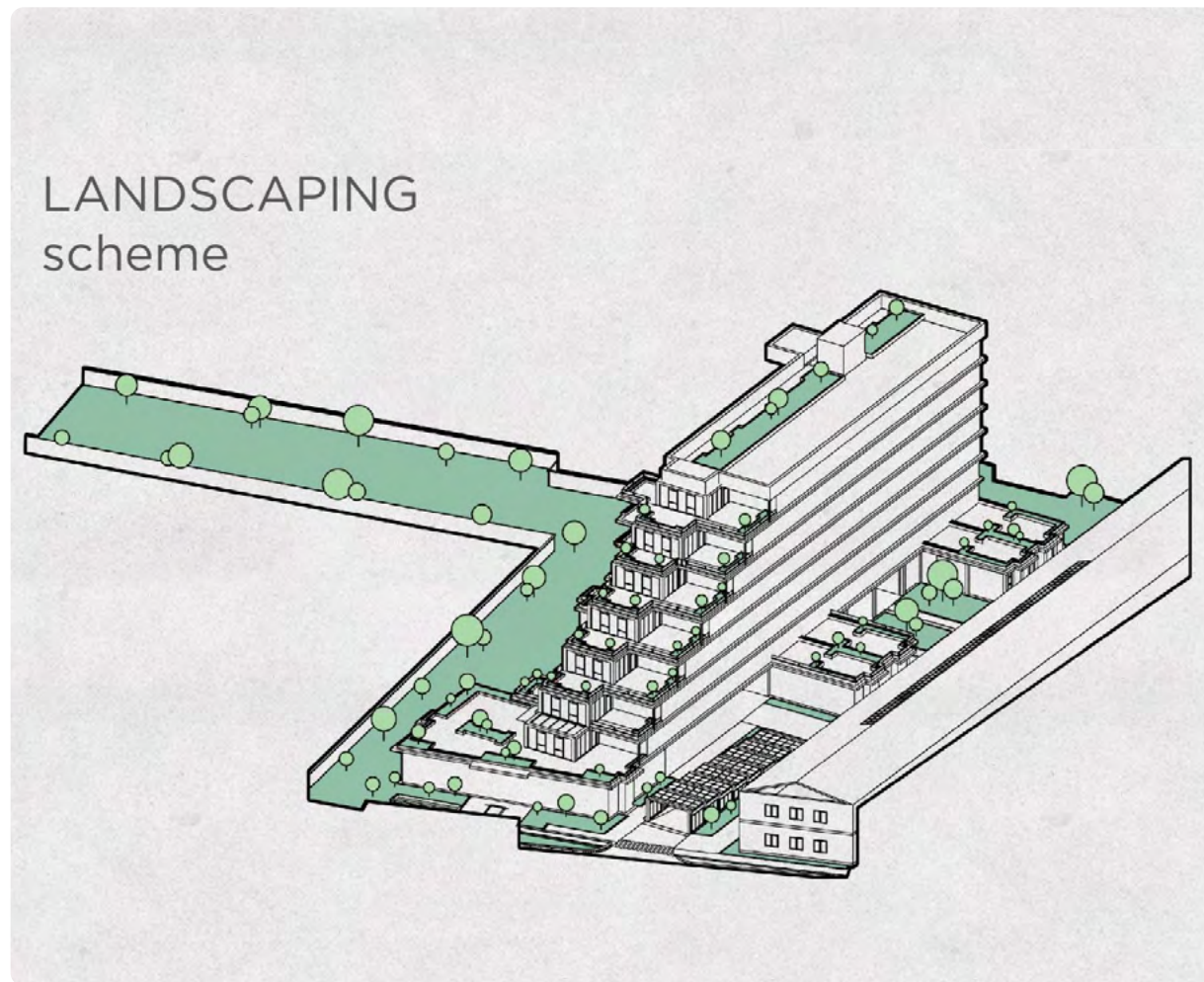
**Kylymbek
NARYNBEKOV**

Professor



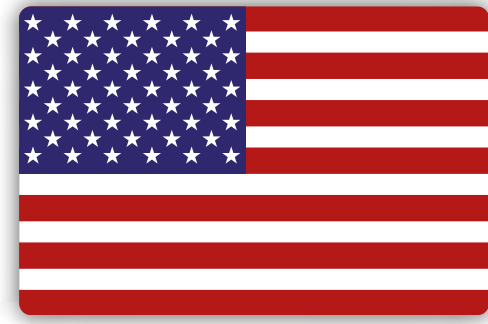
**Mr Berdibekov
ATANTAY**





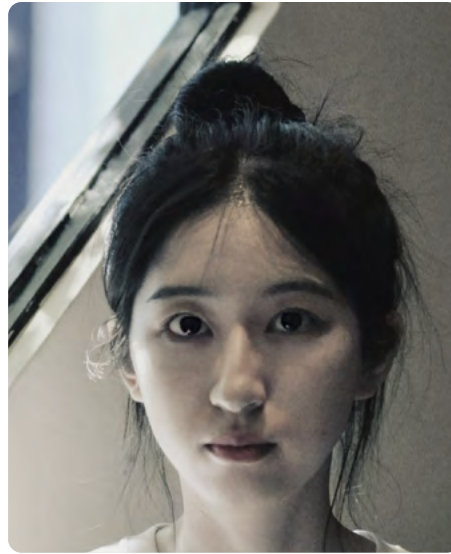


United States



TEAM N°23
*Rhode Island
School of Design*

Student team

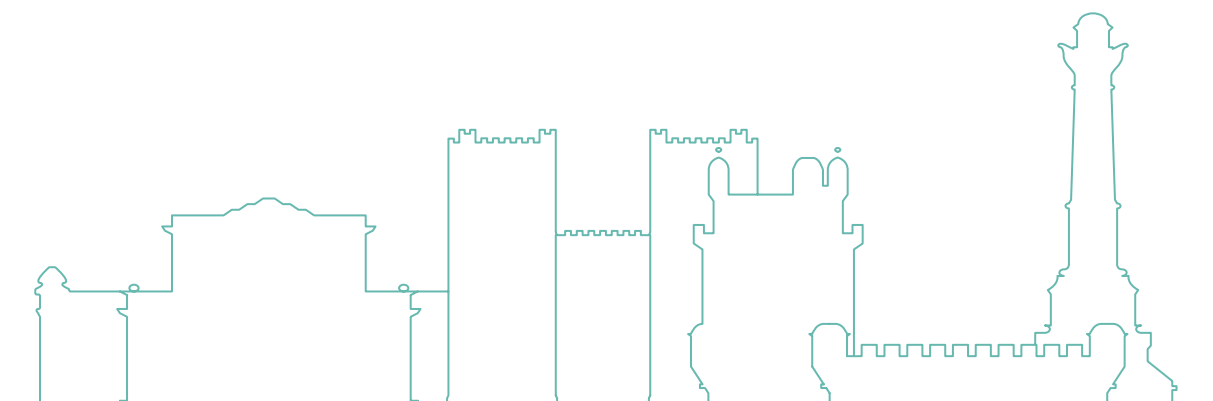


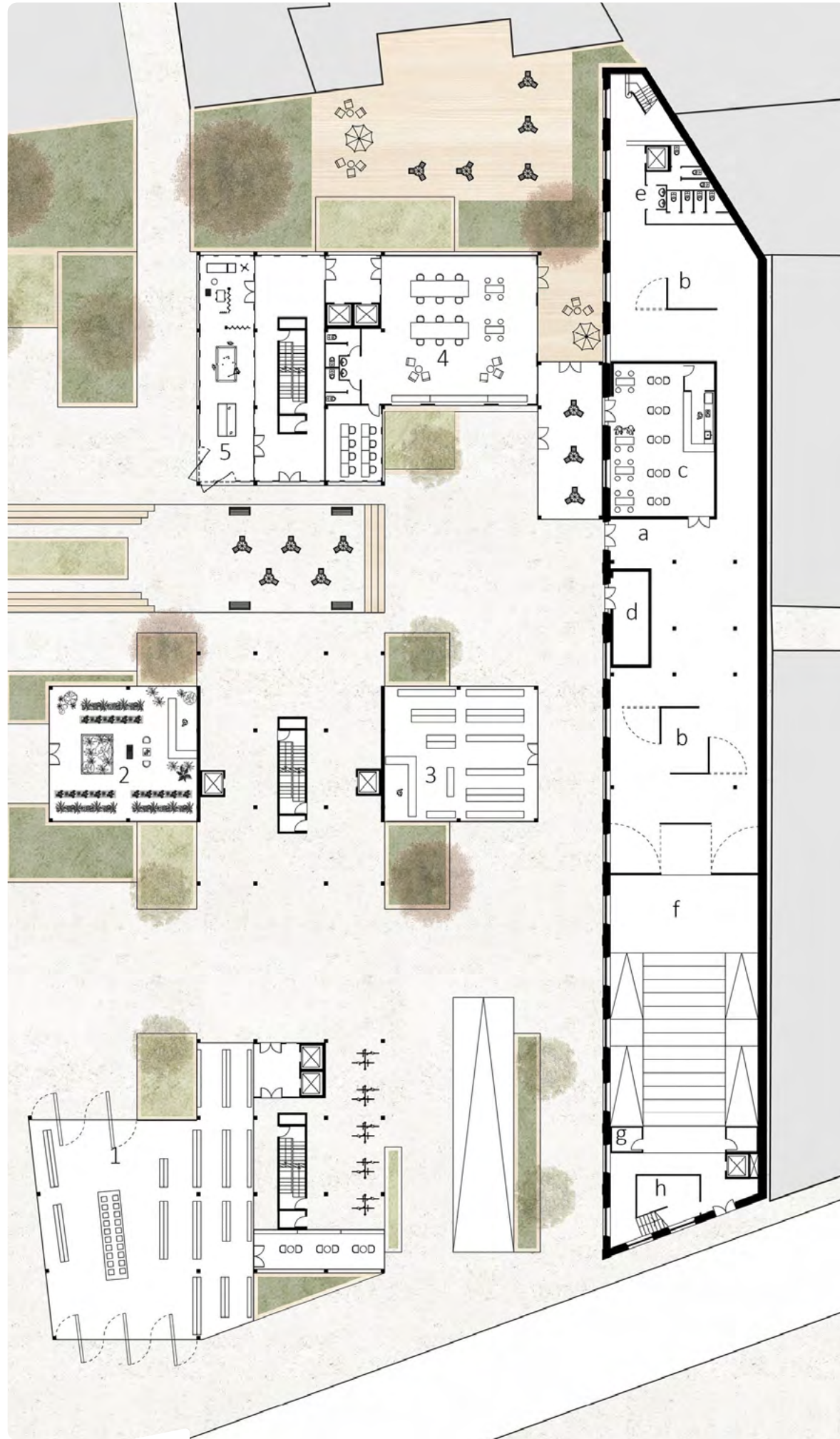
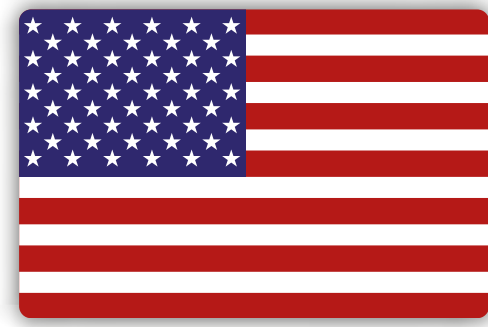
**Xuhan
ZHAO**

Professor

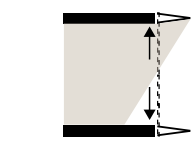


**Mr Jonathan
KNOWLES**

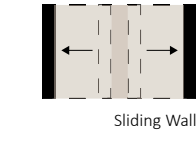




Kinetic Components in APARTMENT



Moveable Louver Facade

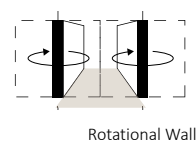


Sliding Wall

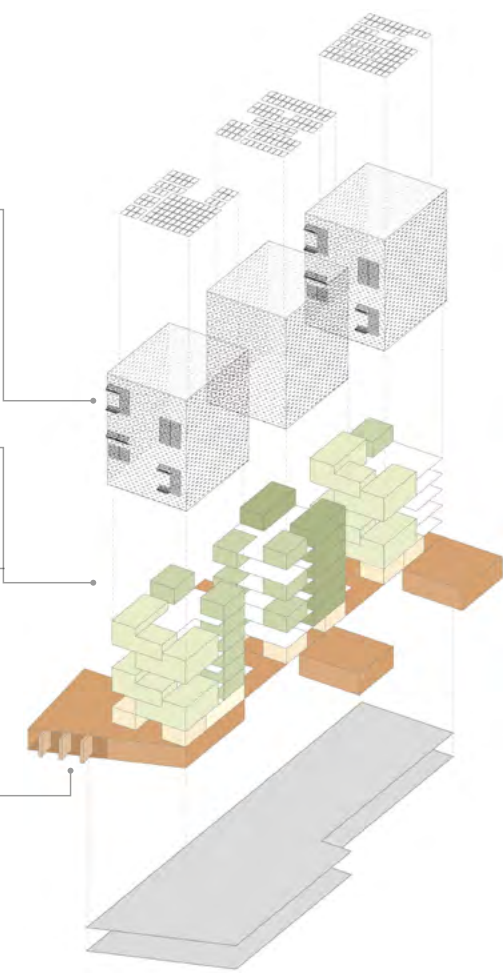


Foldable Furniture

Kinetic Components in PUBLIC SPACE



Rotational Wall



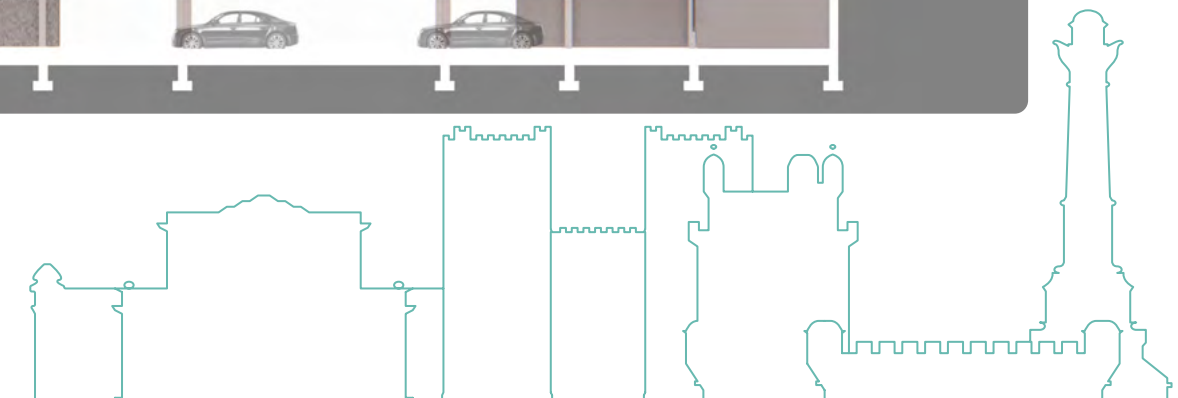
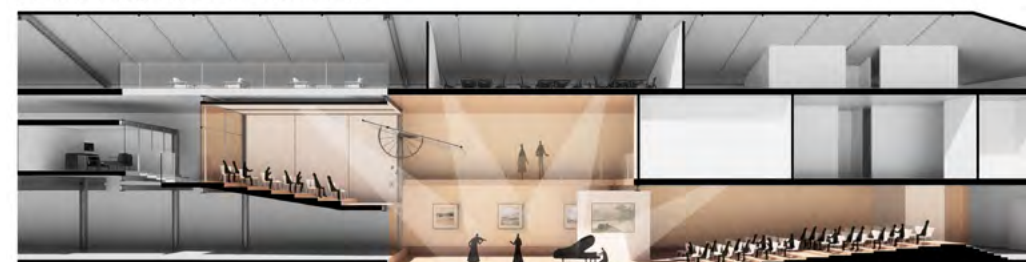
SEPARATED VISION ROOMS



VISION ROOM AND GALLERY SPACE



CONNECTED VISION ROOM WITH SHARED STAGE





India



TEAM N°24

*Sushant School
of Art and Architecture*

Student team

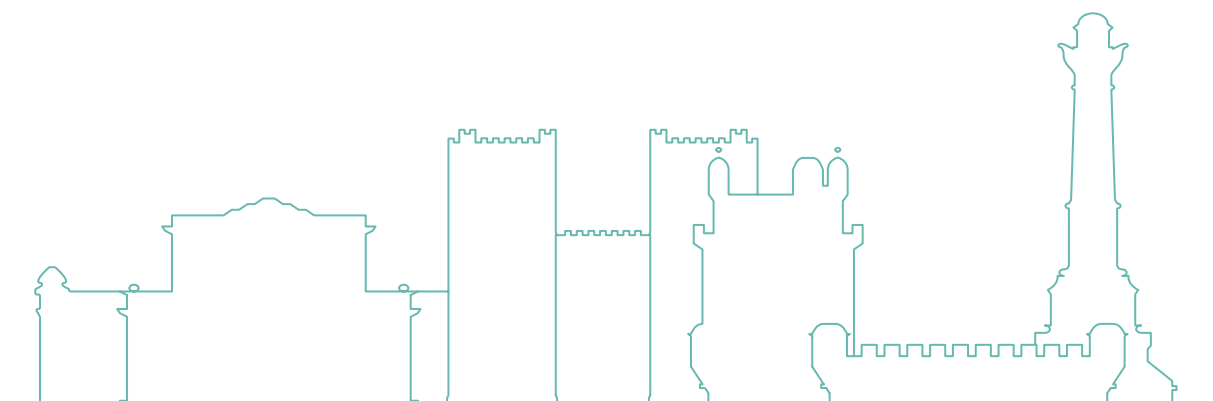


**Shruti
BANSAL**

Professor



**Ms Tanya
AGARWAL**



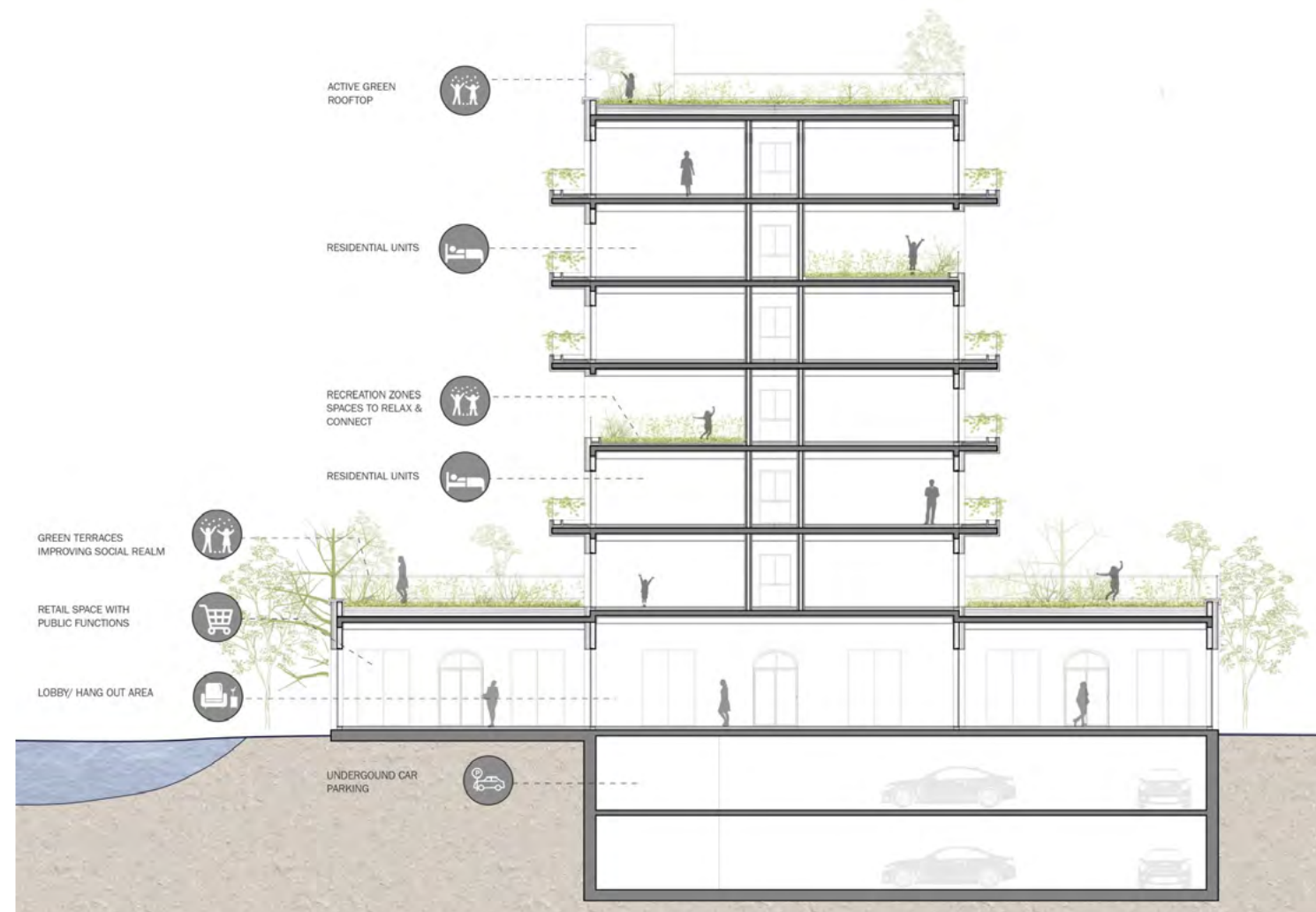


India



TEAM N°24

Sushant School of Art and Architecture



Building A



GROUND FLOOR PLAN

1. Reception 2. Auditorium for 140 persons 3. Exhibition Room 4. Cafeteria 5. Shop 6. Public bathroom 7. Filming equipment storage room 8. Coordinator room 9. Meeting room 10. Working room

Common Spaces - Public (orange), Lisbon Film Commission Area (green), Common Spaces- Staff (pink), Services (blue), Service Core (yellow)



FIRST FLOOR PLAN

11. Secretary and administration support room 12. Video edition room 13. Sound studio 14. TV/Cobrama studio 15. Worker's bathroom 16. Film and video description room 17. Video digitalization room 18. Reading space



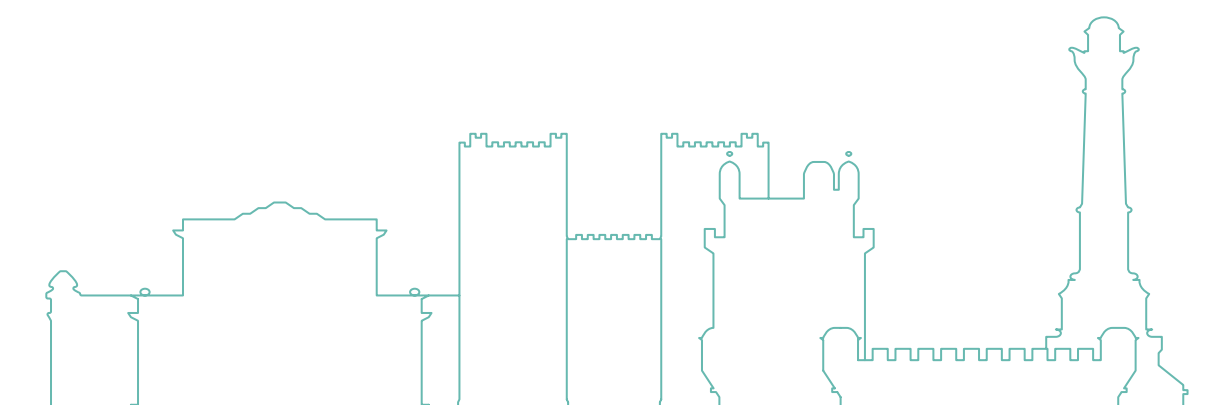
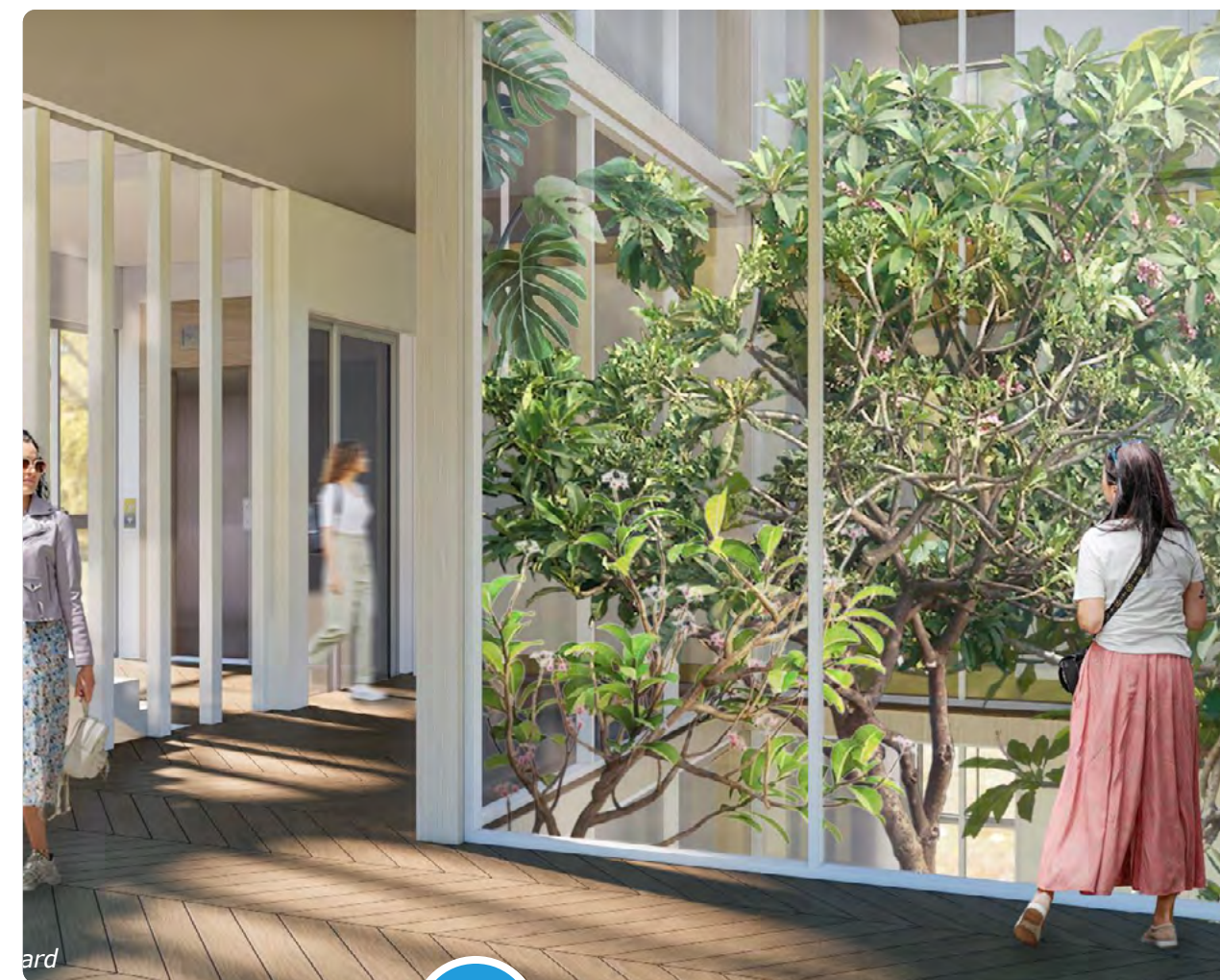
SECOND FLOOR PLAN

19. Deposit and archive room 20. Individual visioning room 21. Collective visioning room 22. Executive project production room 23. Worker's bathroom 24. Coordinator room 25. Workers eating/pantry area 26. Network Servers and Backstage room 27. Meeting room

Common Spaces - Public (orange), Lisbon Film Commission Area (green), Common Spaces- Staff (pink), Services (blue), Service Core (yellow)



ELEVATION





Kazakhstan



TEAM N°25

*D. Serikbayev East
Kazakhstan Technical University*

Student team

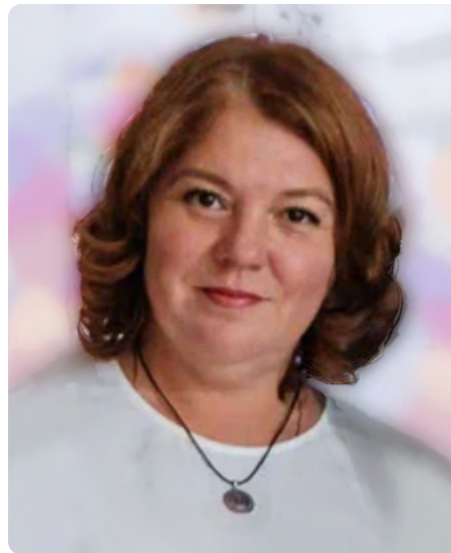


**Galina
LYAPUNOVA**

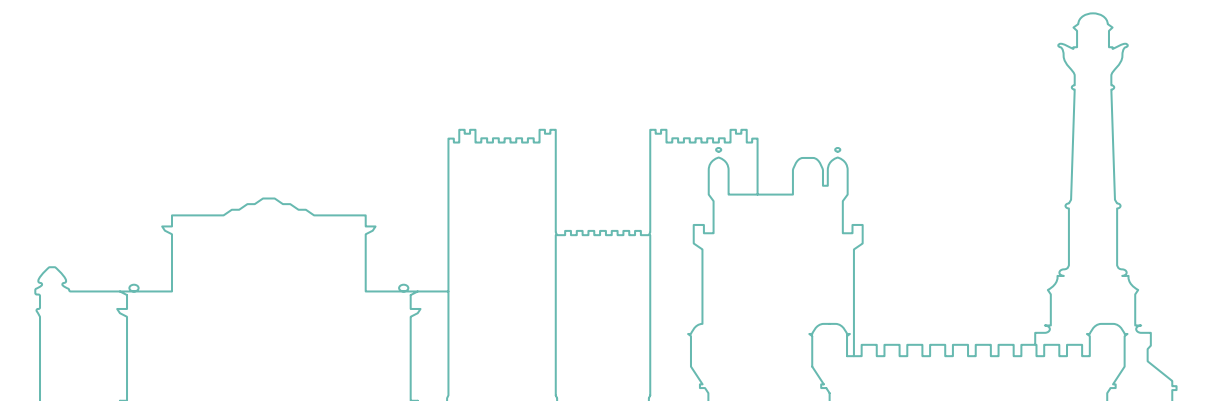


**Alexandra
SHULMINA**

Professor



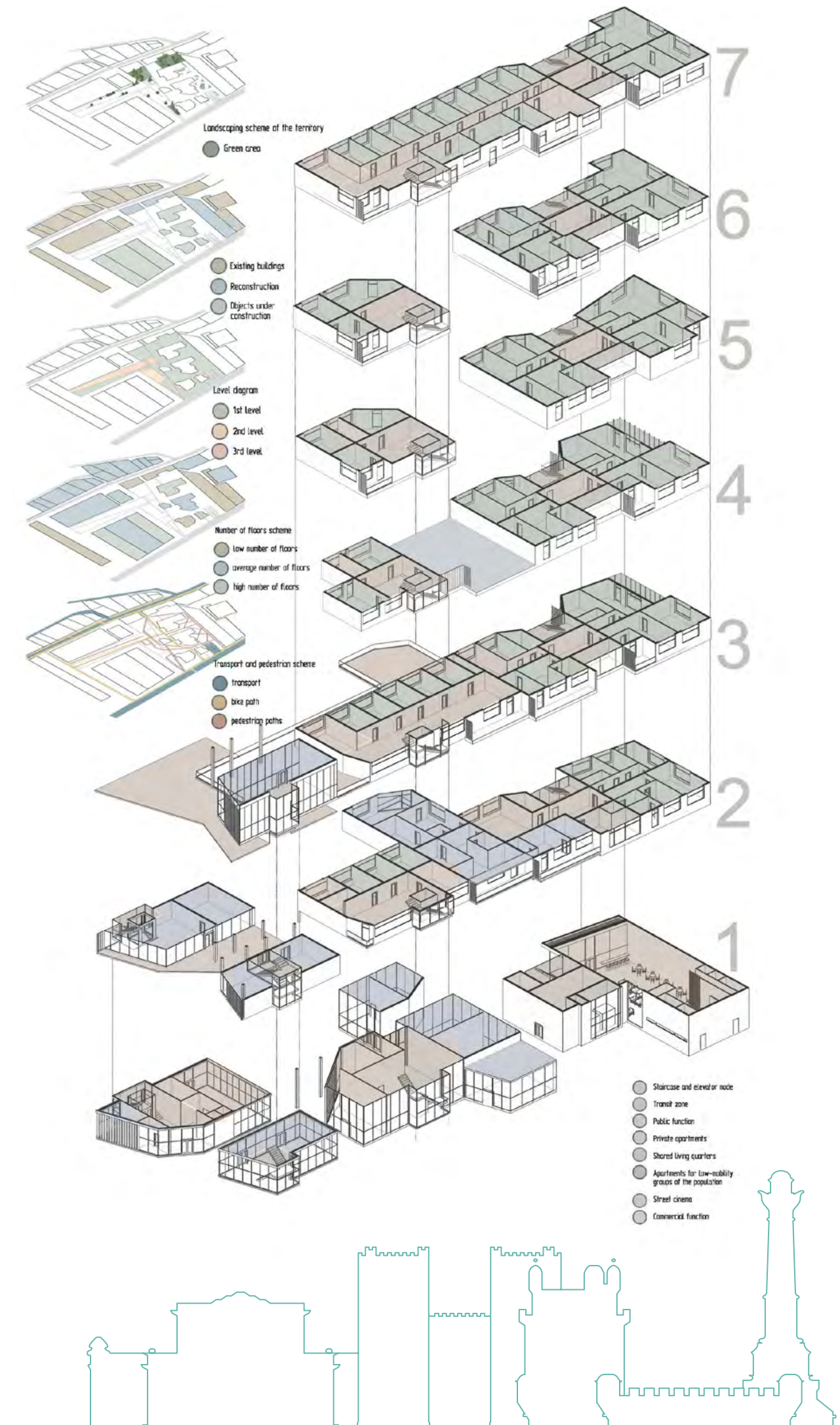
**Ms Tatyana
INOZEMTSEVA**



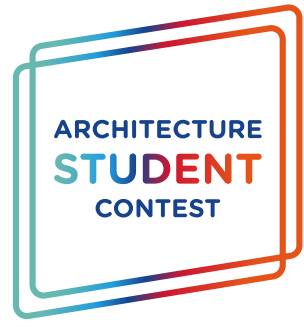


TEAM N°25

D. Serikbayev East
Kazakhstan Technical University



The facade in the axes A-T M is linear



TEAM N°26
*Ibero-American
University of Mexico*

3RD PRIZE

Student team



**Alejandro
GUTIERREZ**

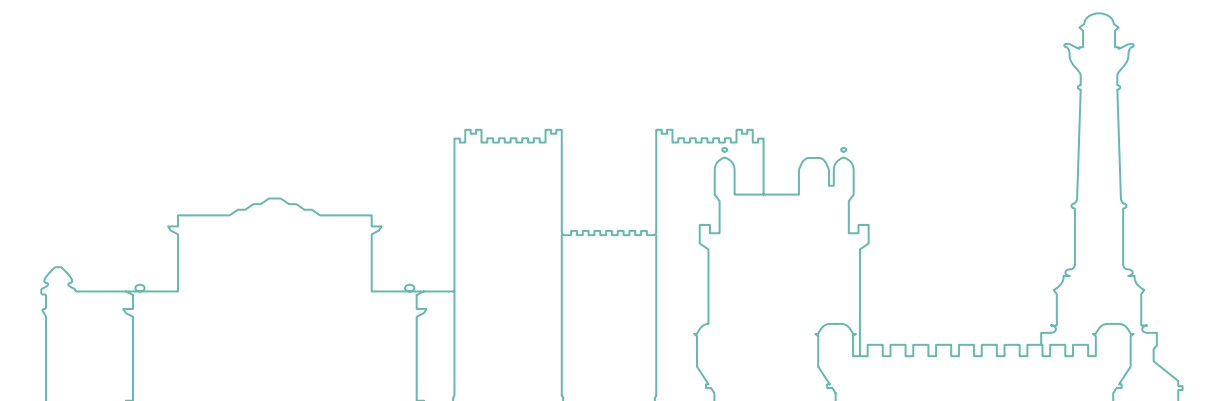


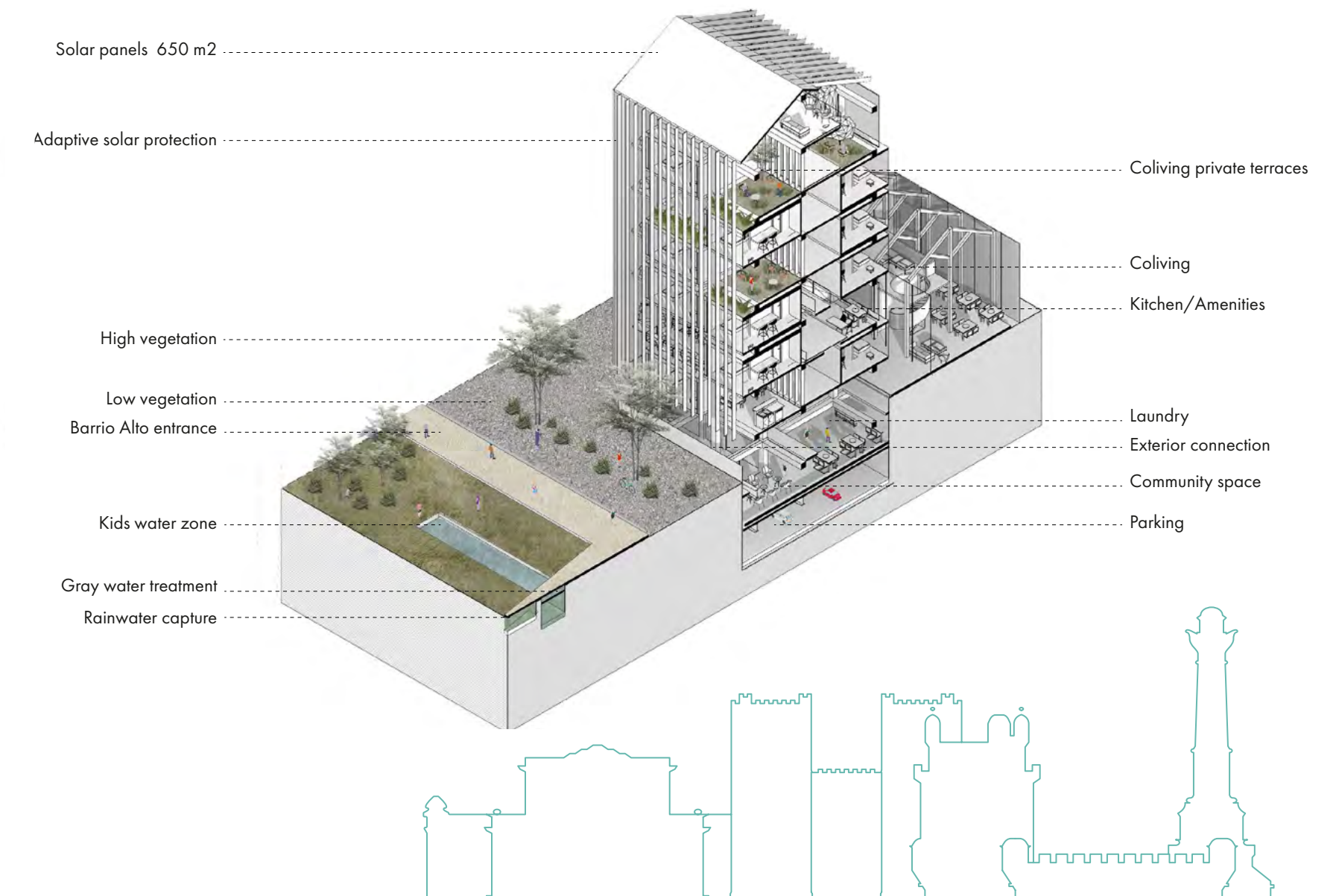
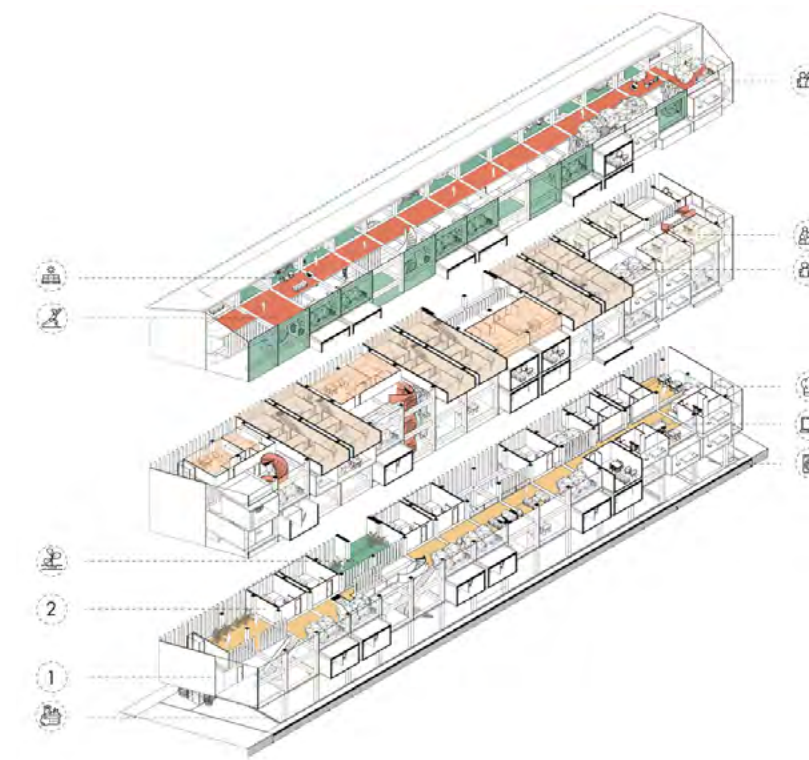
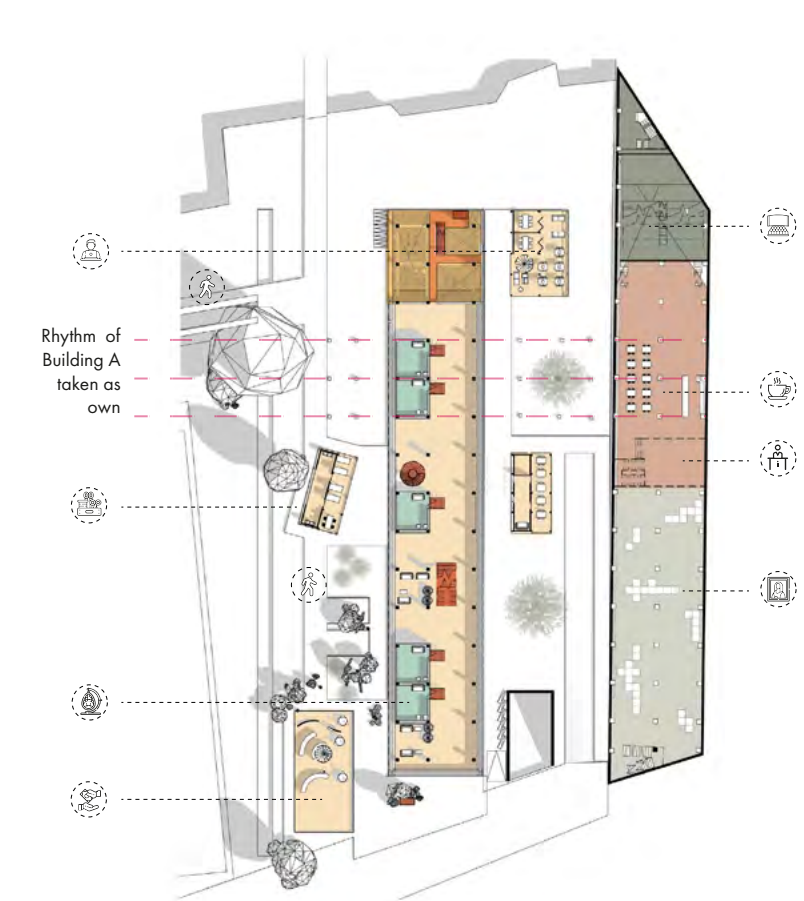
**Iñigo
ARTIGAS**

Professor



**Mr Victor Alberto
ARVIZU PIÑA**







South Africa



TEAM N°27
*Tshwane University
of Technology*

Student team



**Ethan
SCHNEIGANSZ**

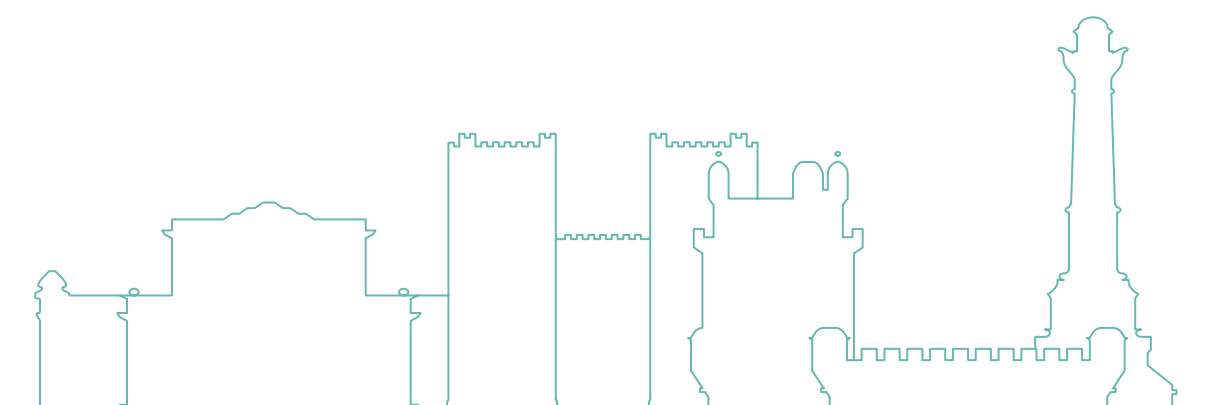


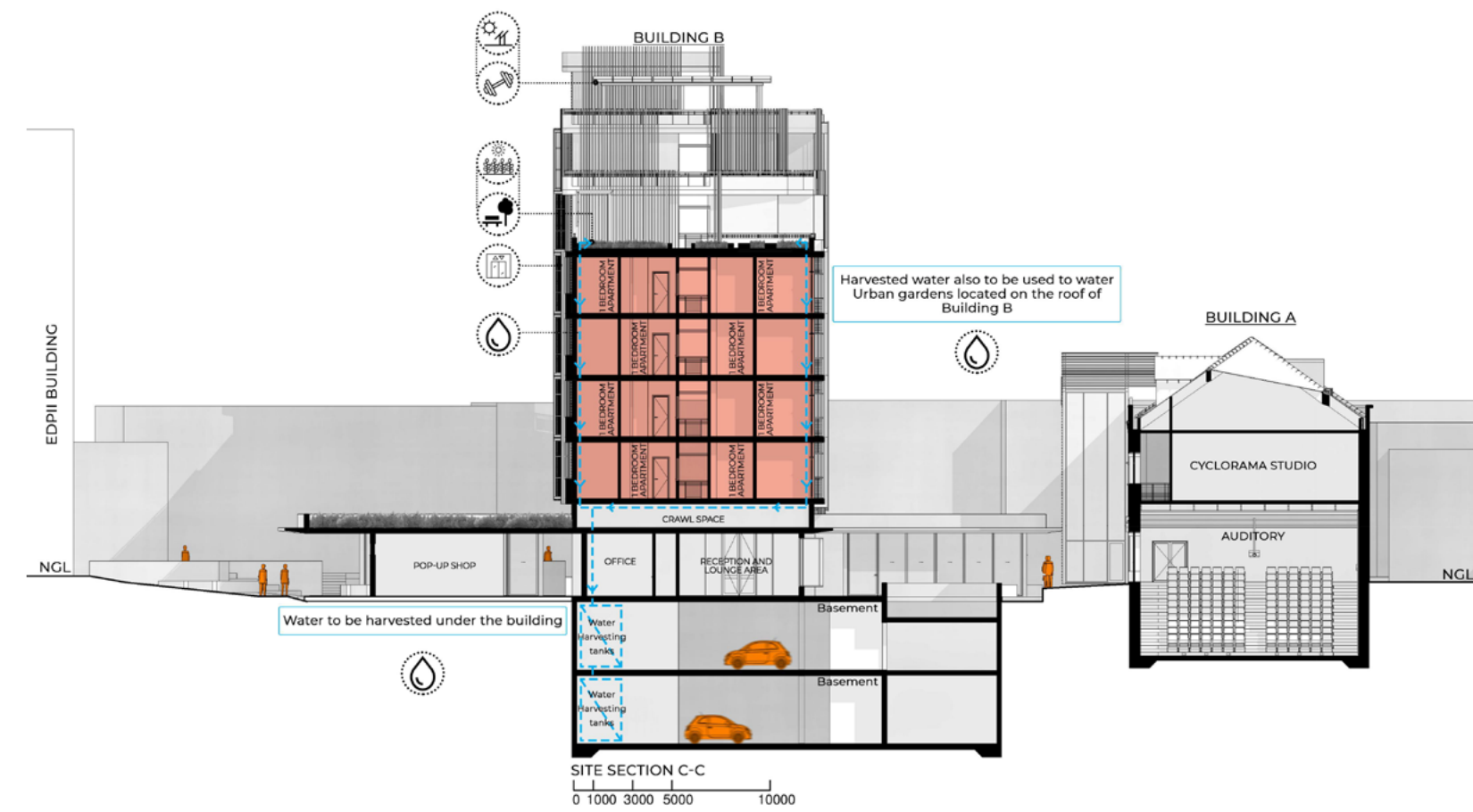
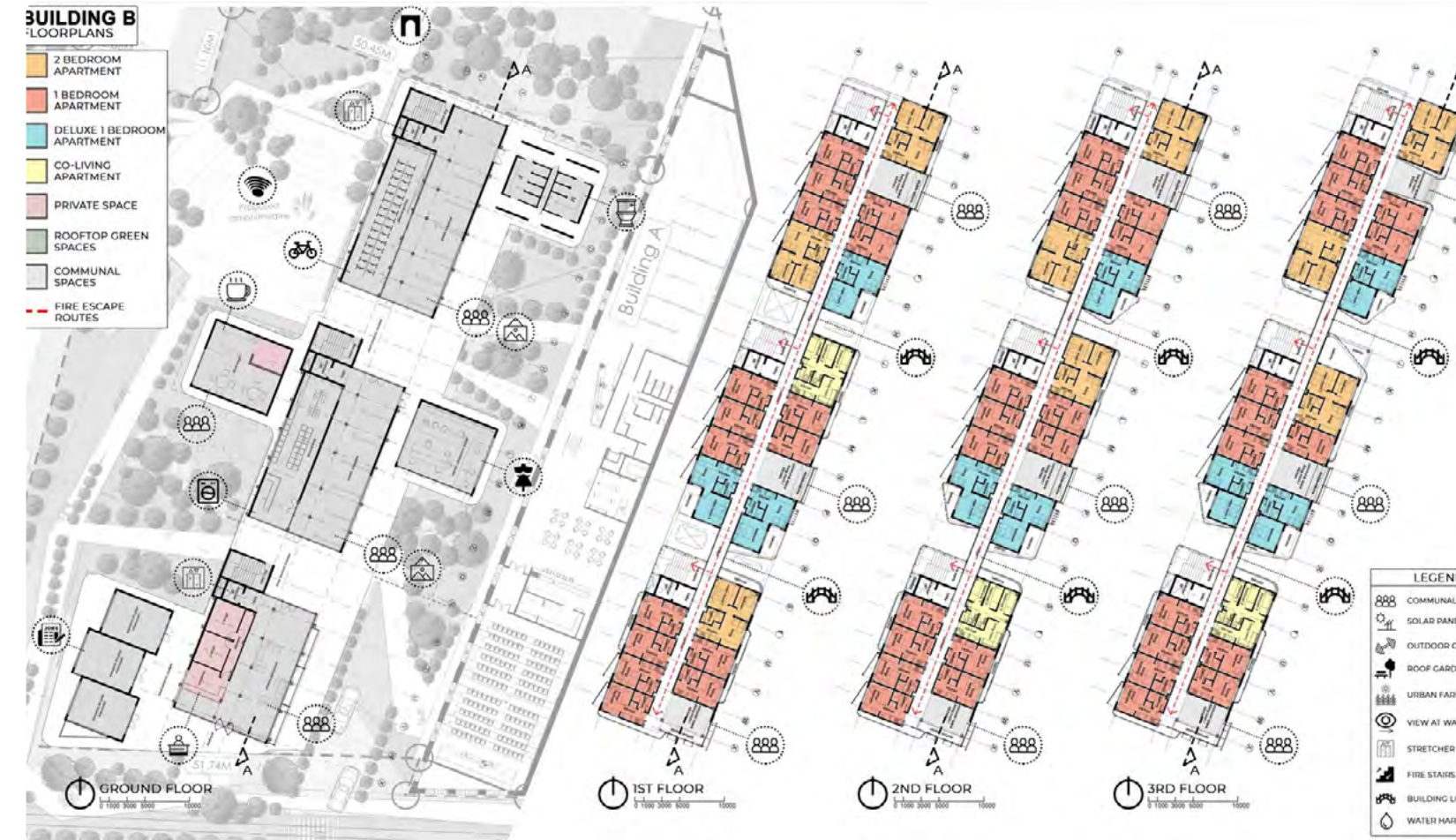
**Dylan
DU PLESSIS**

Professor



**Ms Nadia
LLOYD-LISTER**

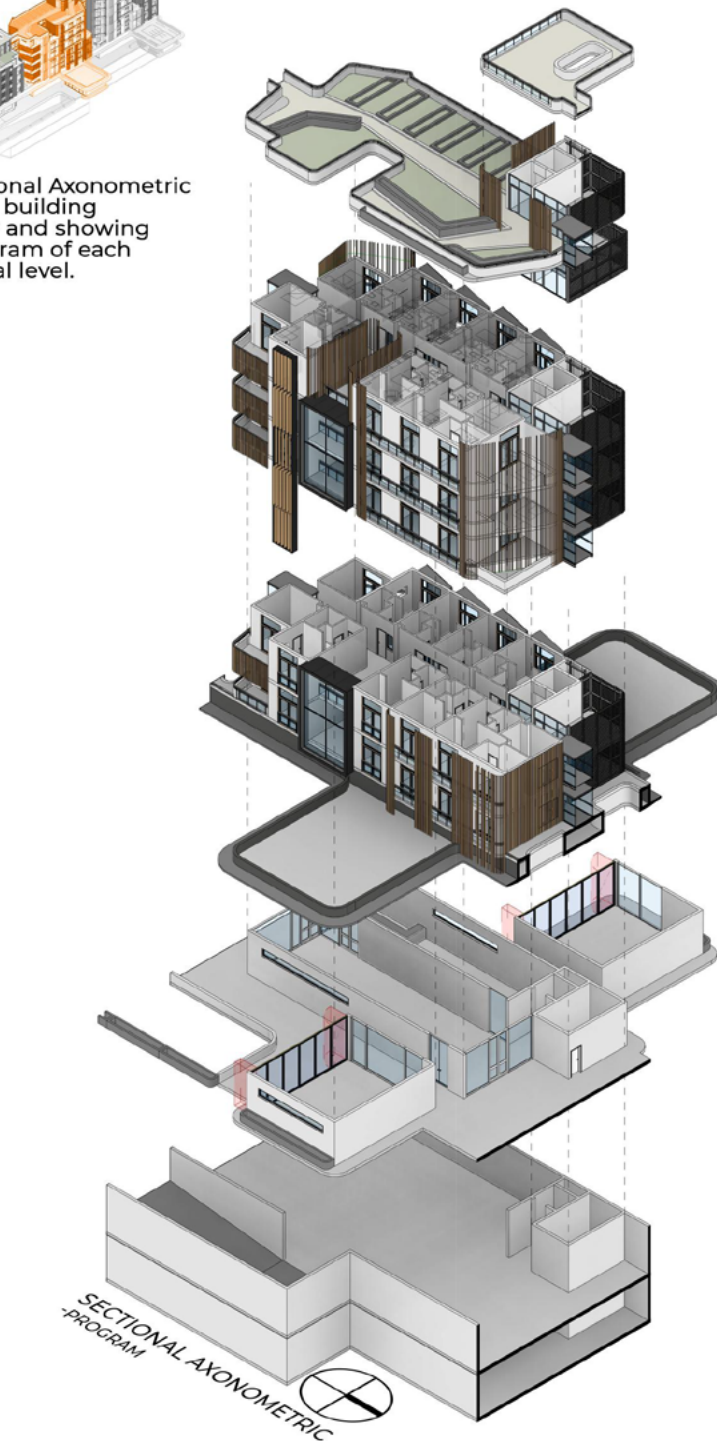




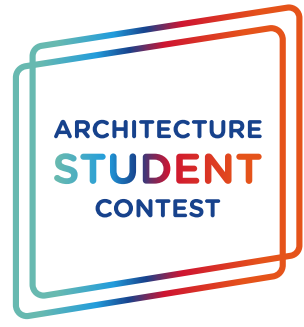
BUILDING B
EXPLODED AXO/ PROGRAM AXO



3D Sectional Axonometric showing building typology and showing the program of each individual level.



- 6**
 - Roof communal garden
 - Seating Spaces
 - Urban Farming
 - Outdoor Gym
 - Solar farming
 - Fire escape
 - Stretcher lift
- 3-5**
 - 1 Bedroom Apartment
 - 2 Bedroom Apartment
 - Deluxe 1 Bedroom Apartment
 - Private Balconies
 - Shared Balconies
 - Communal implementation spaces
 - Fire escape
 - Stretcher lift
- 1-2**
 - 1 Bedroom Apartment
 - 2 Bedroom Apartment
 - Deluxe 1 Bedroom Apartment
 - Private Balconies
 - Shared Balconies
 - Communal implementation spaces
 - Fire escape
 - Stretcher lift
- 0**
 - Reception/ Offices
 - Communal Lounge
 - Commerce Start-up business
 - Exhibition space
 - Atelier workshop/ Studio
 - Bicycle storage
 - Laundromat
 - Public Bathrooms
 - Coffee shop
 - Fire escape
 - Stretcher lift
- 1**
 - Parking
 - Fire escape
 - Stretcher Lift
 - Water heating room
 - Generator room
 - Solar battery room
 - Sump Pump Room
- 2**
 - Parking
 - Fire escape
 - Stretcher Lift
 - Water heating room
 - Generator room
 - Solar battery room
 - Sump Pump Room



TEAM N°28
Pelita Harapan University

Student team



**Jessica
SANUSI**



**Vincent Alexis
SUTJIANTO,TJIA**

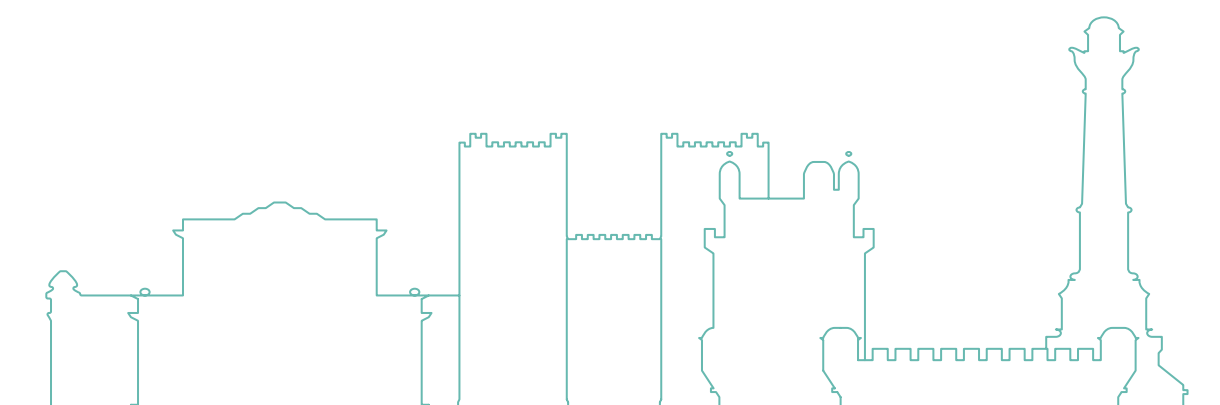


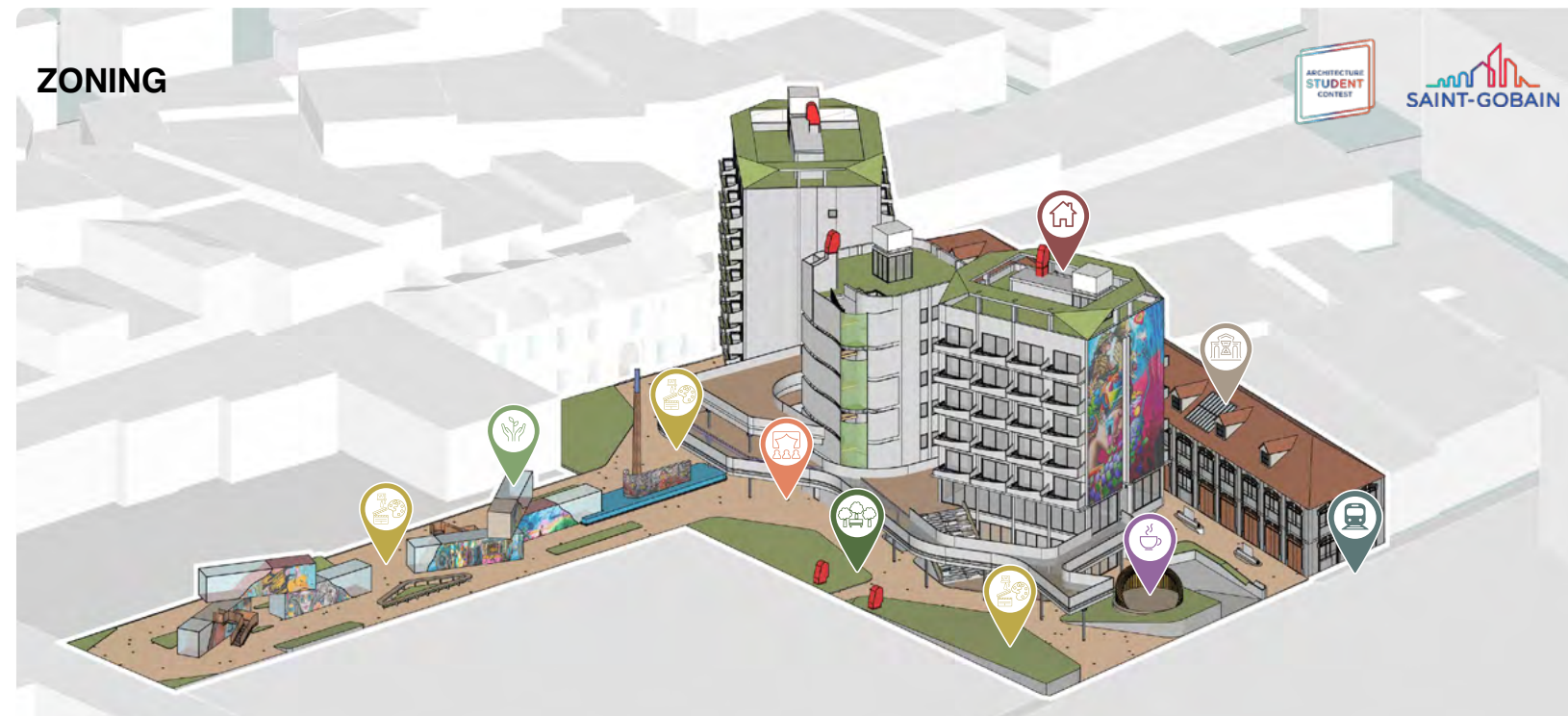
**William
FERDINAND**

Professor

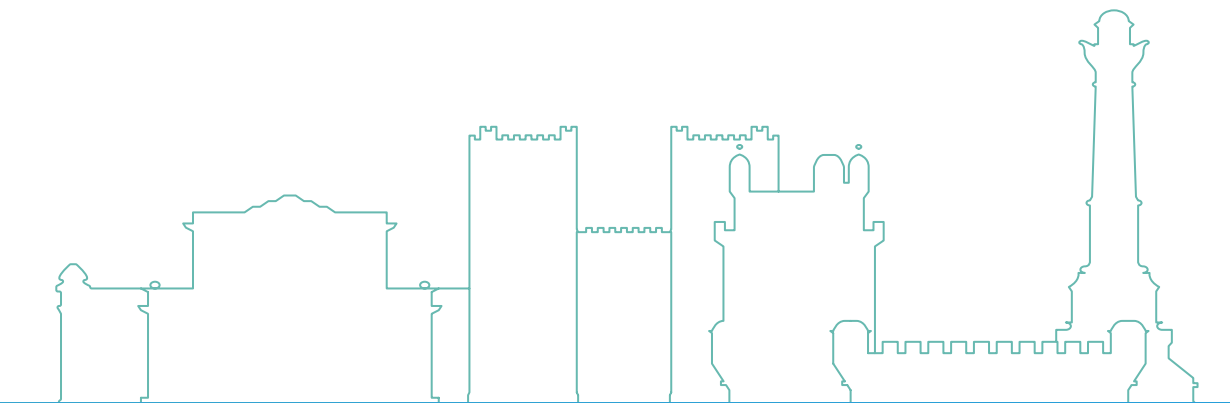
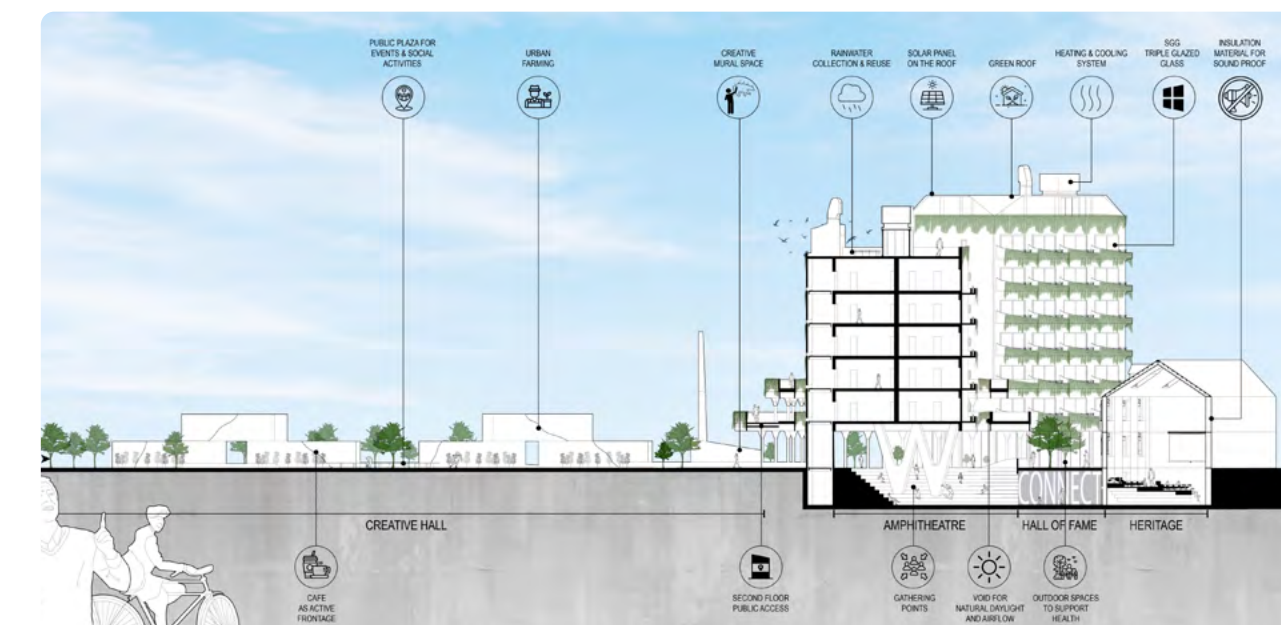
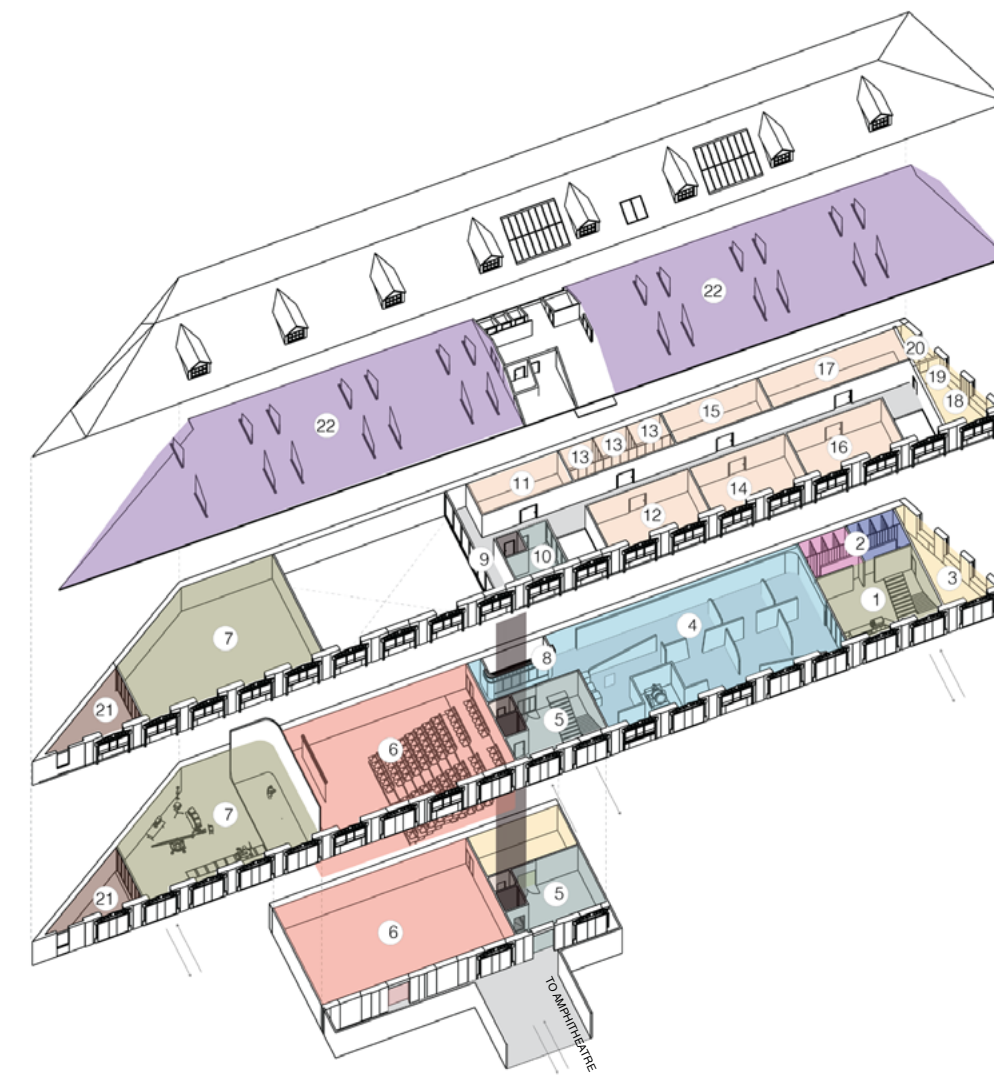


**Mr Jacky
THIODORE**



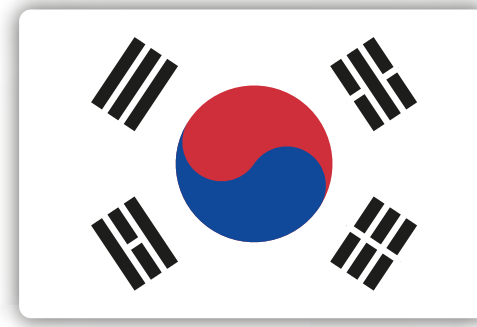


- Residential**
provide good housing integrated with public transportation and designs that supports residents to get a good quality of life
- Revitalization**
gives new function to the heritage building as a mixed use building while not changing the facade and characteristic of the building itself
- Park**
providing outdoor communal area with green areas that plays as a connector and air purifier for people to have a better quality of life
- Creative space**
providing a multi use communal creative space for residents and public to see more of the city's creative side and enhance their life with a creative twist
- Theater / entertainment**
provide entertainment facilities that support living balance of play and work that enhance the fun in the area
- Cafe & restaurant**
cafes and restaurants that gives opportunities for local vendors to sell, also enhancing communal area
- Urban farming**
semi indoor green area that also function as education, promoting urban farming and also gives better quality of living for the area
- Public transportation**
provides integrated accessibility to connect residents with the nearest station





South Korea



TEAM N°29
Korea University

1ST PRIZE

Student team



**Se kwang
KIM**



**Hyemin
NA**



**Iana
KIM**

Professor

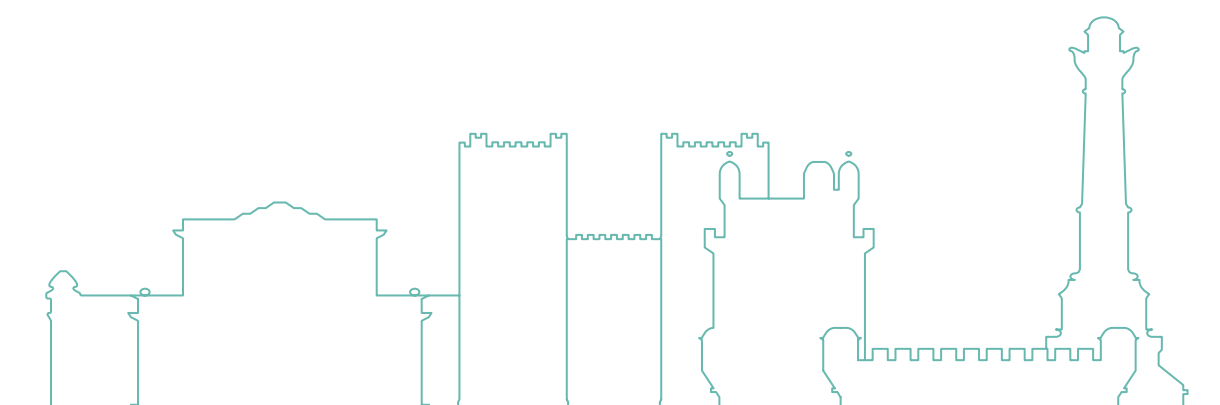


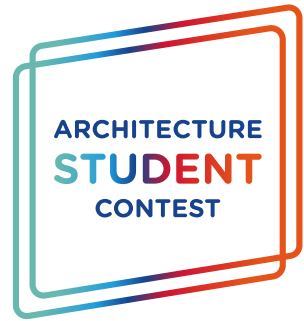
**Ms Chungyeon
WON**



GREEN WAVE

We designed a building that could simultaneously respect the context of the existing site, where many long and narrow buildings exist, and Building A, which is historical and beautiful but small in size, can be alienated. Building B, which was created in this way, was designed to provide residents with a creative and unique space while considering energy and the environment.



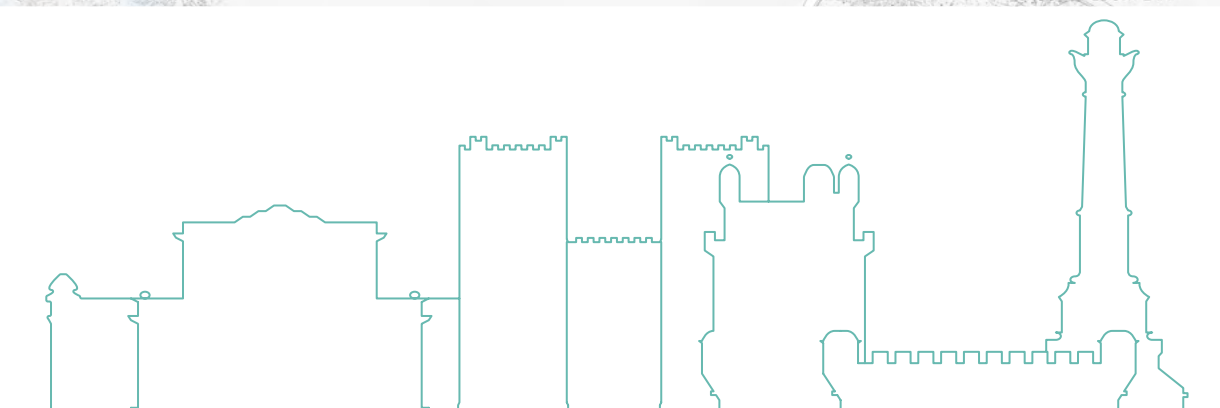
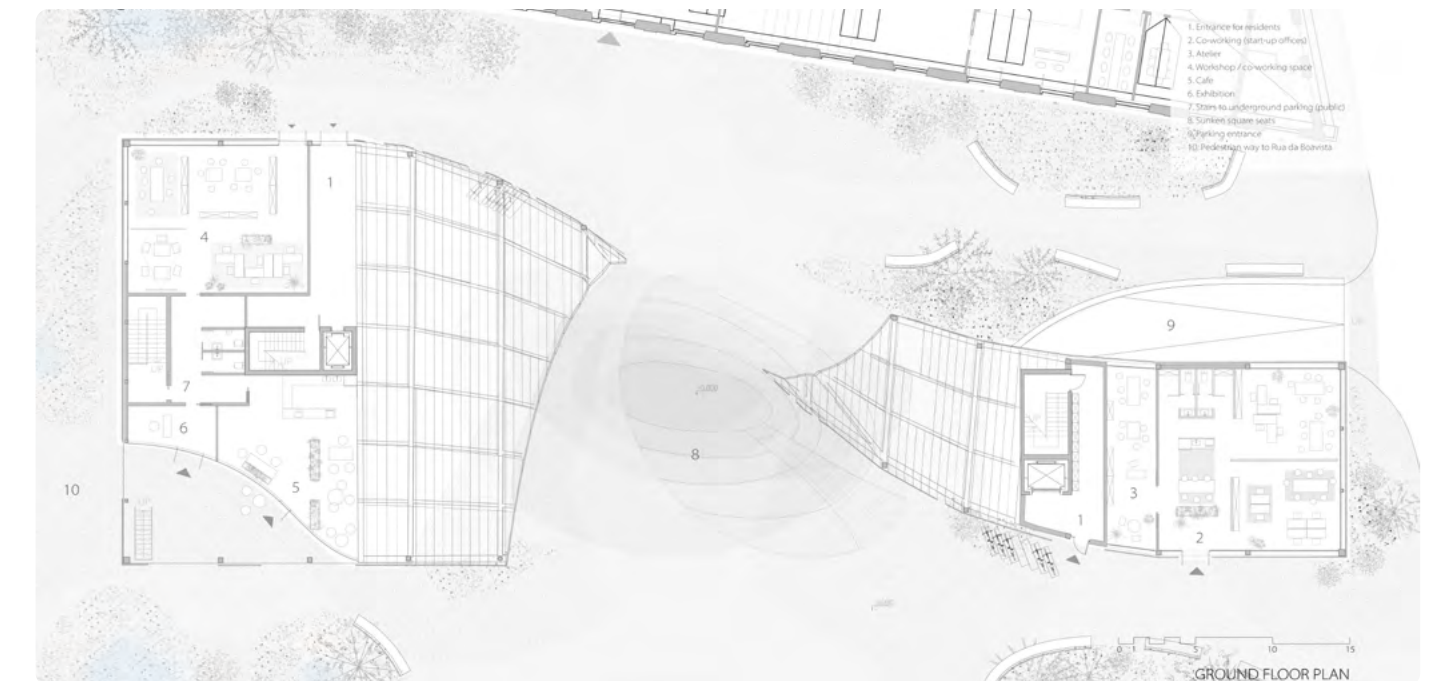
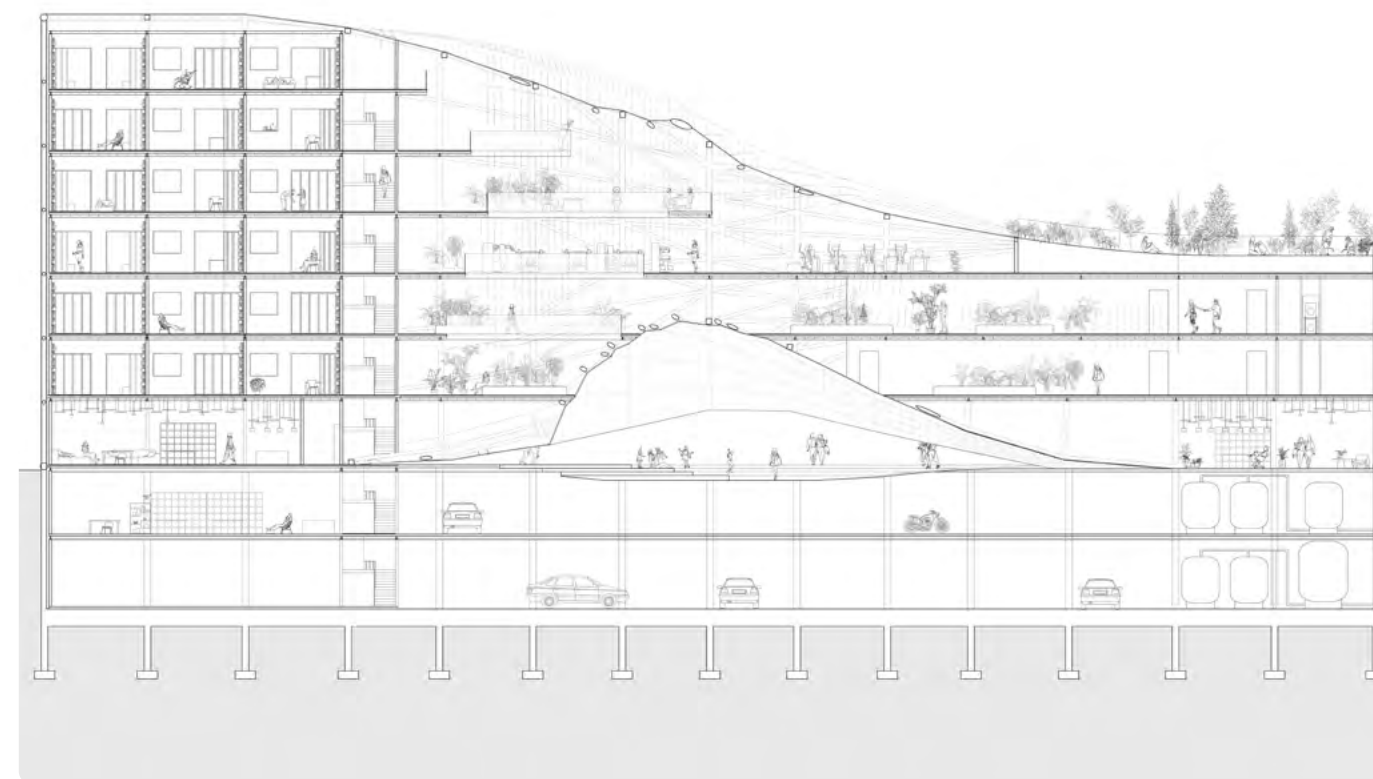
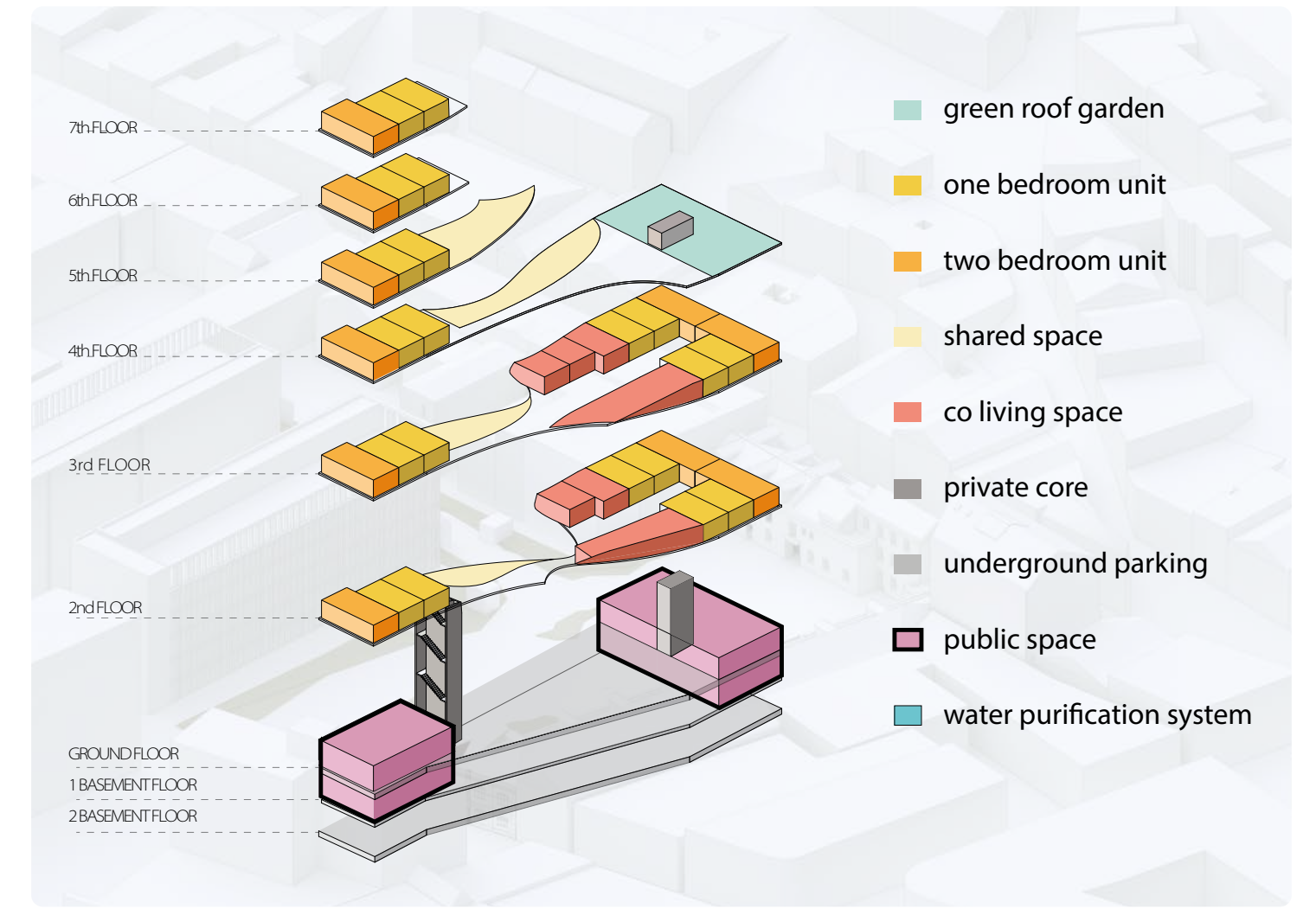


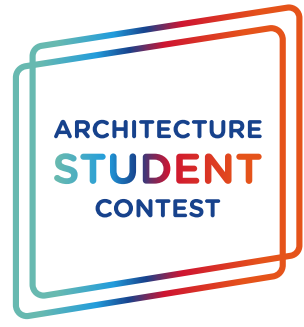
South Korea



TEAM N°29
Korea
University

1ST PRIZE





Colombia



TEAM N°30

Pontifical Bolivarian University

SPECIAL PRIZE

Student team



Conchita ESCOBAR

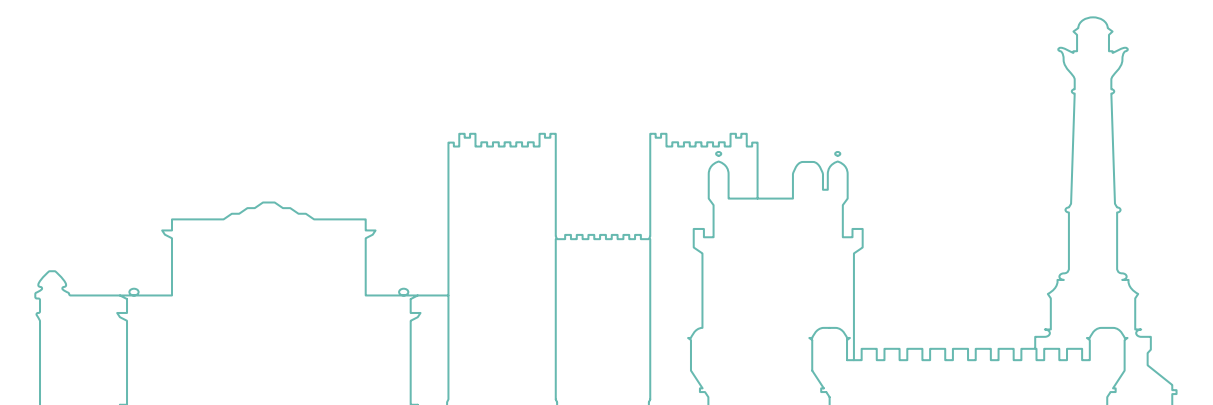


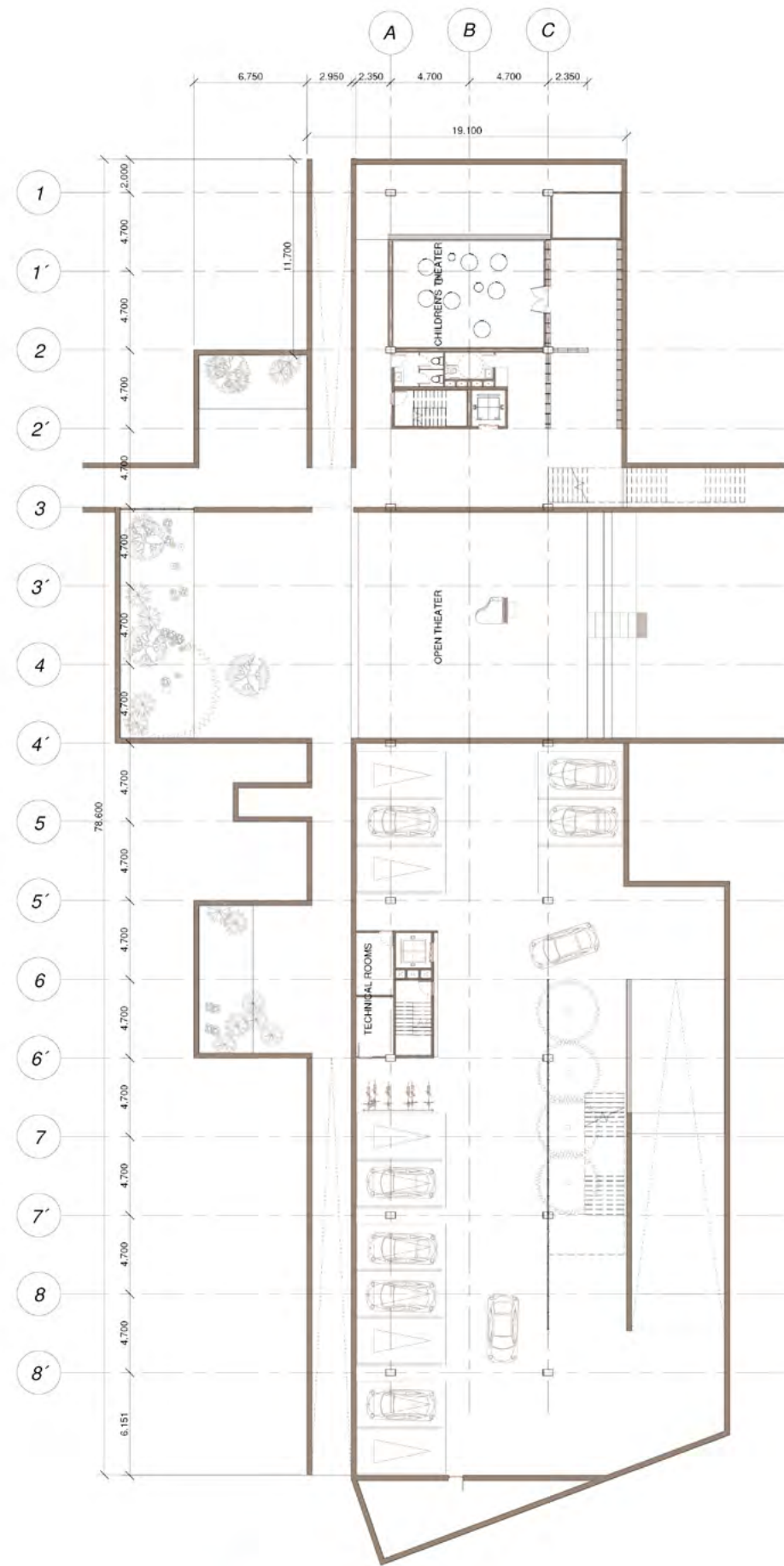
Raquel BERNAL

Professor

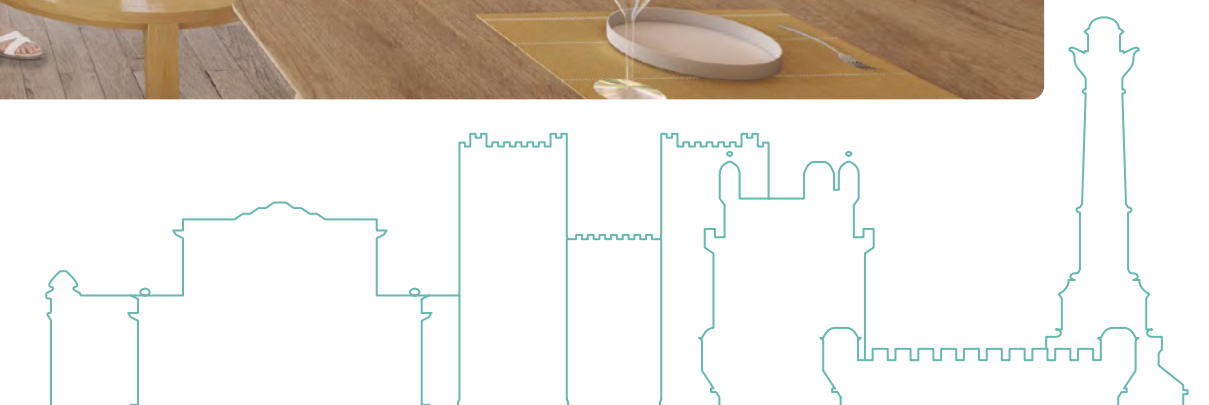
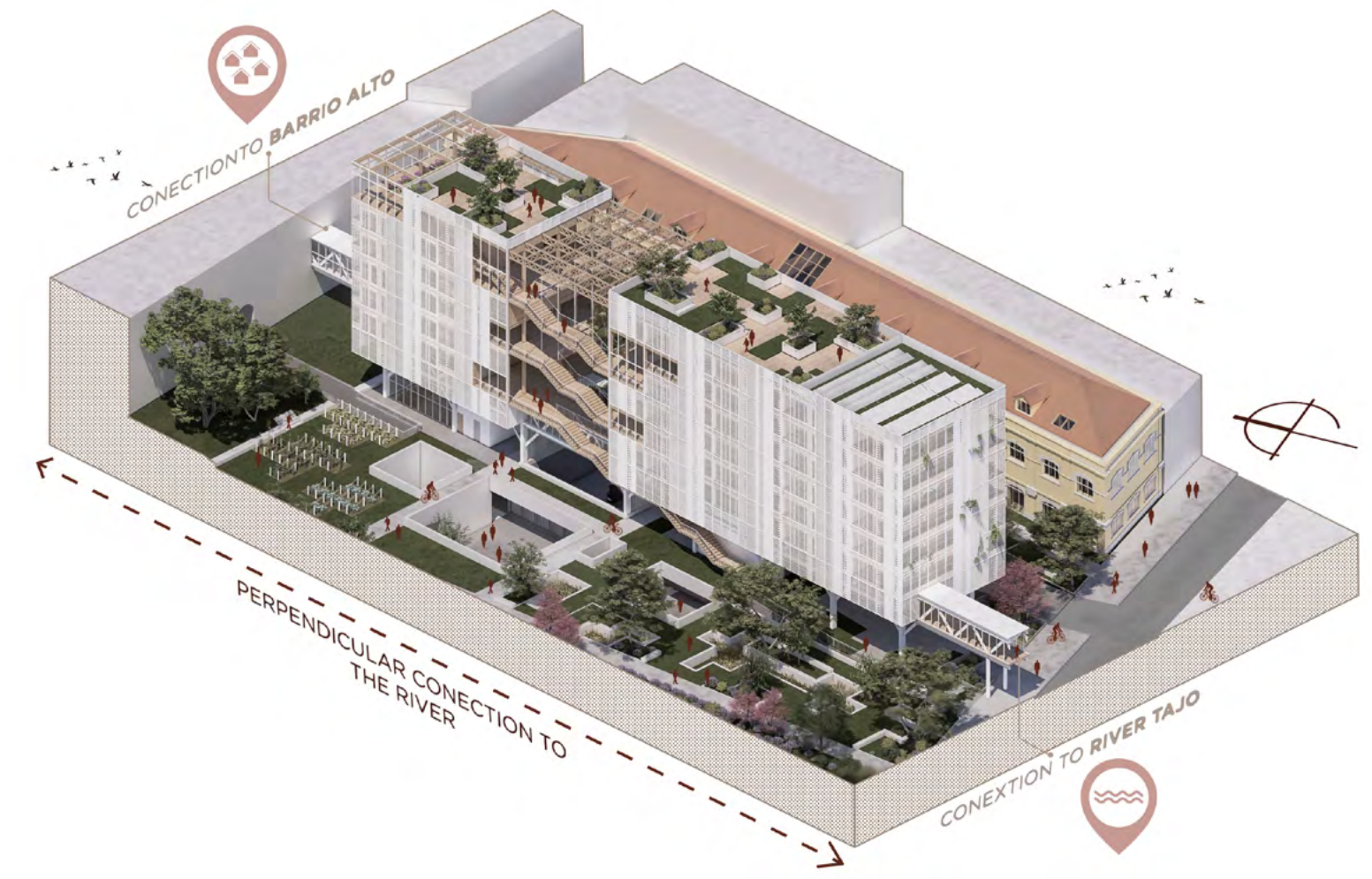
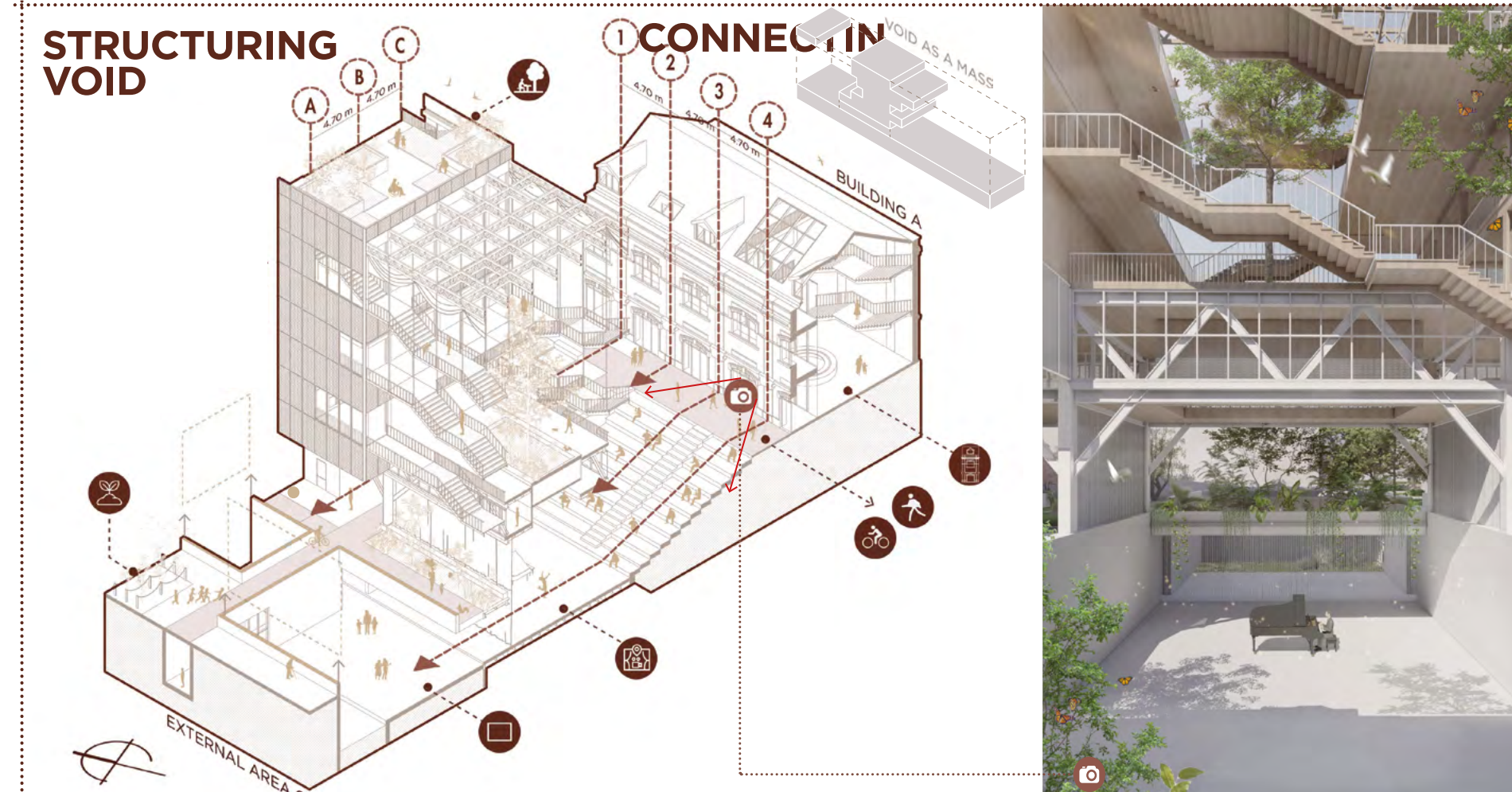


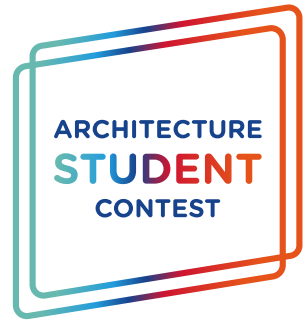
Mr Lucas ARANGO





S1 FLOOR PLAN
ESC 1:200





China  **TEAM N°31**
Tongji
University

Student team



Yang SHUHAN



Ying YUE

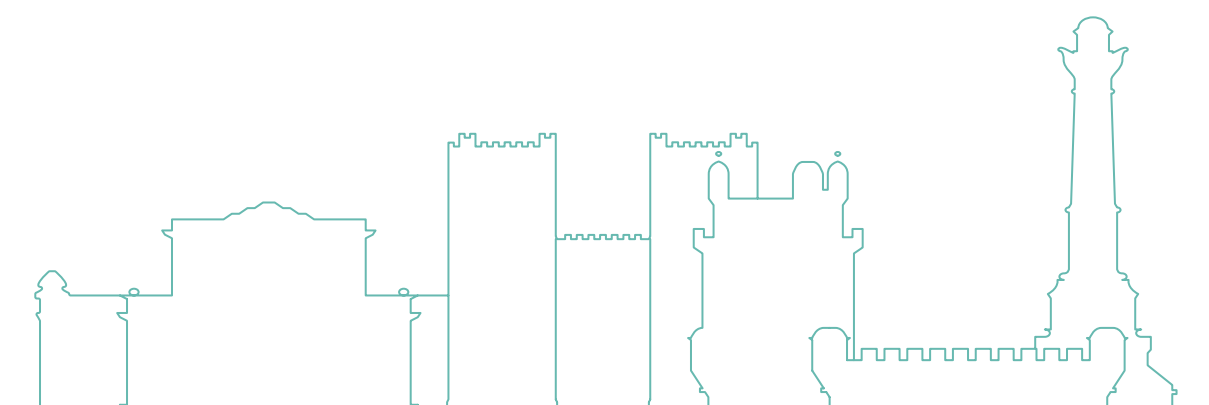
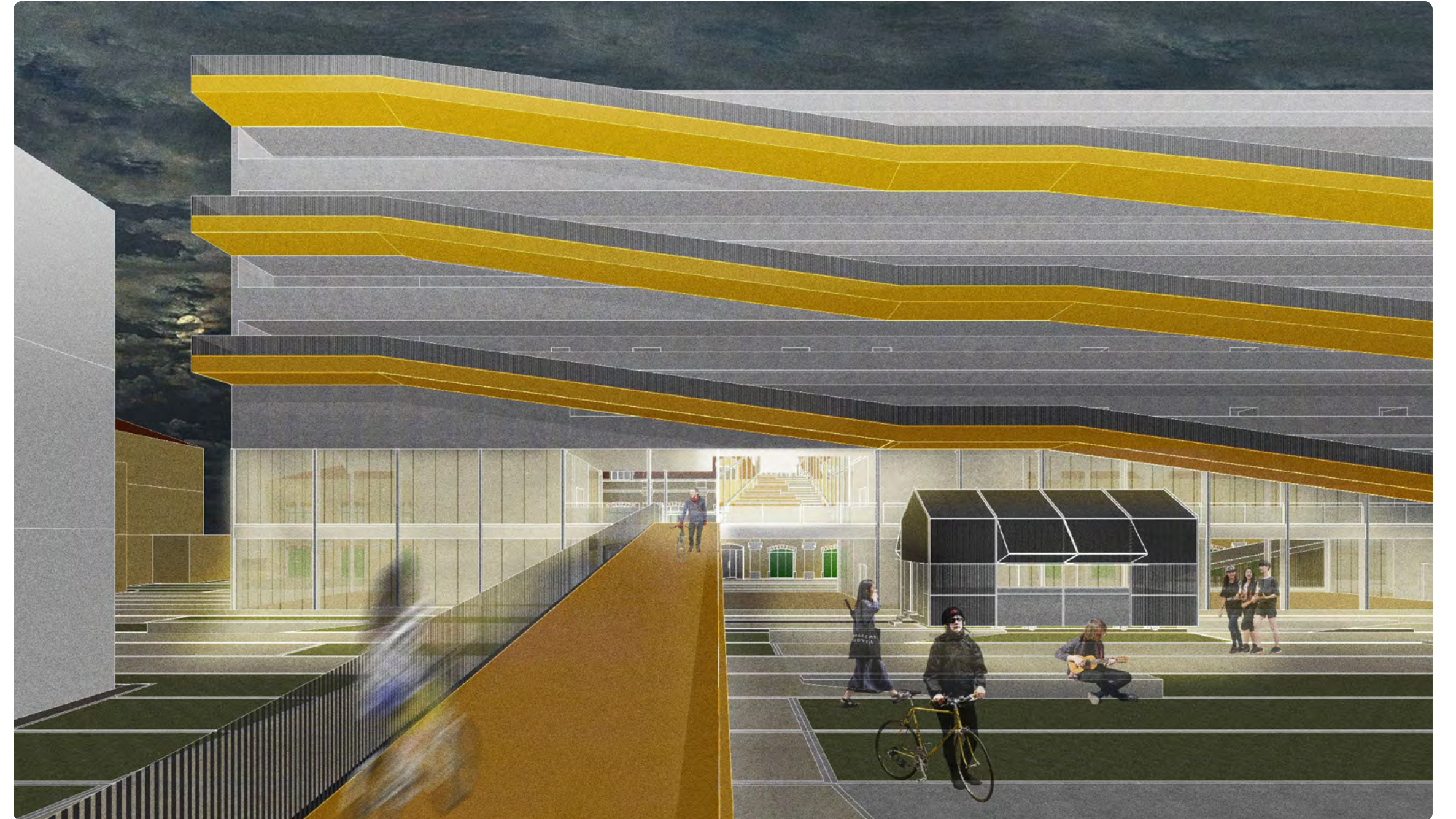


Zhang HANQI

Professor



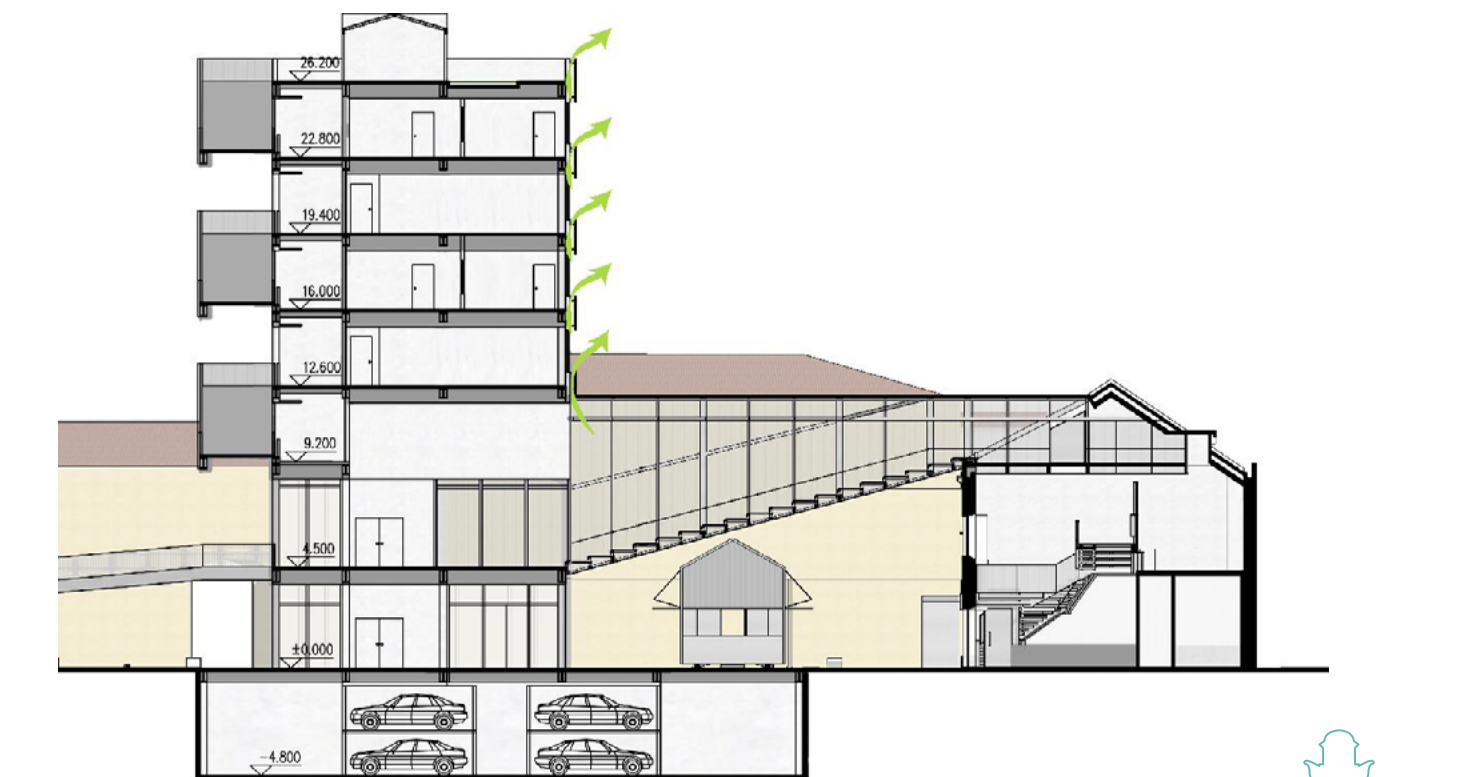
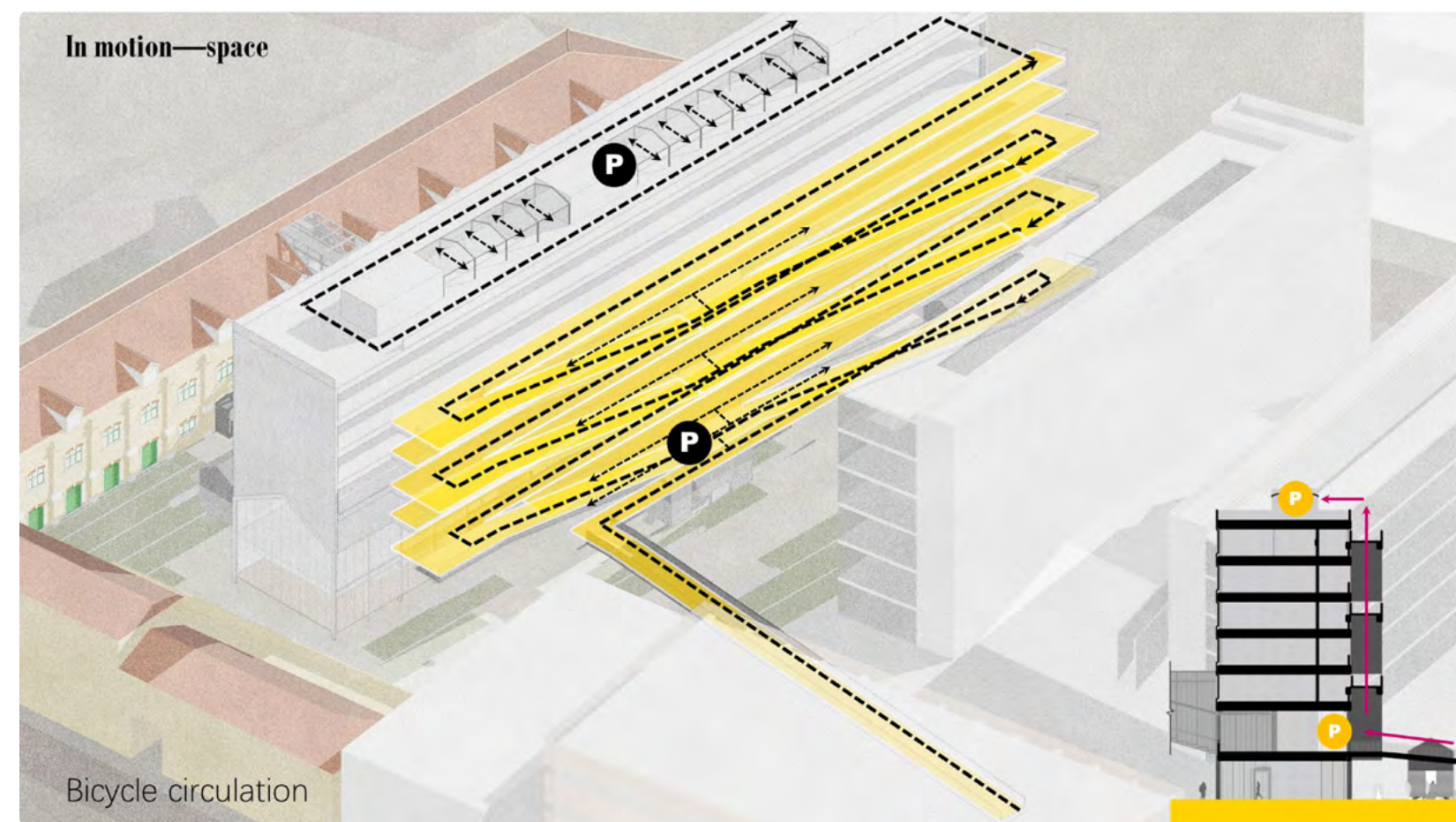
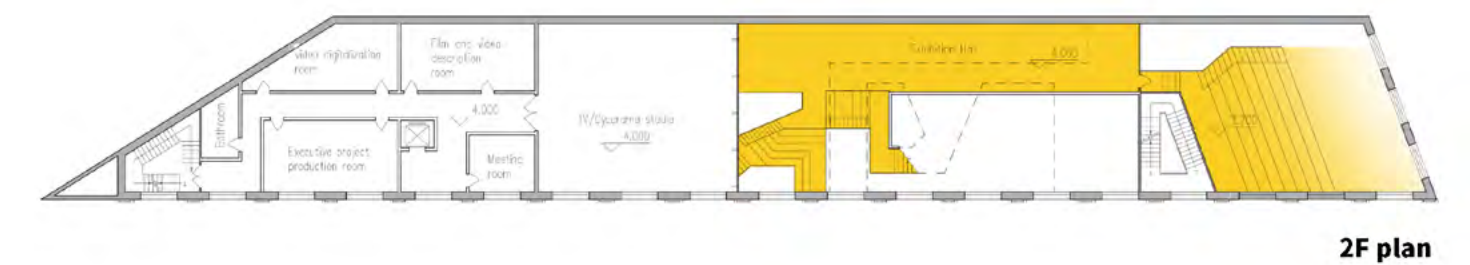
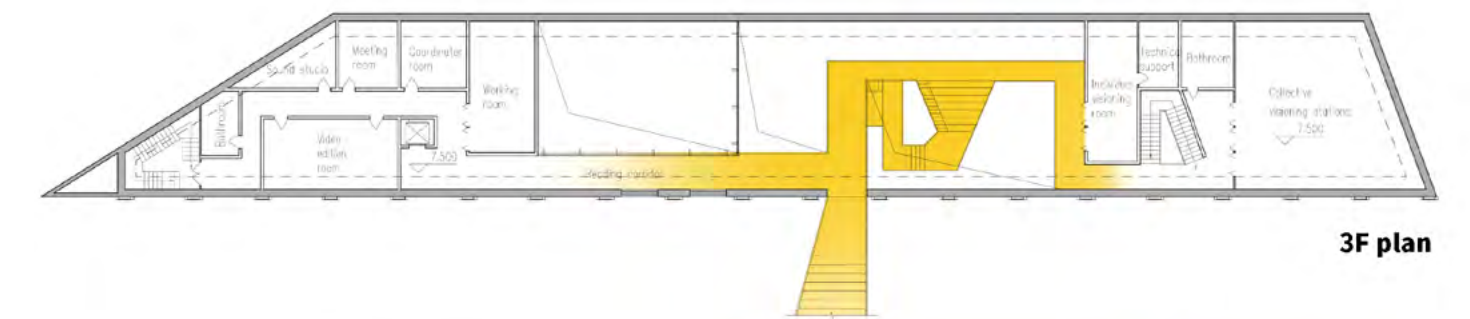
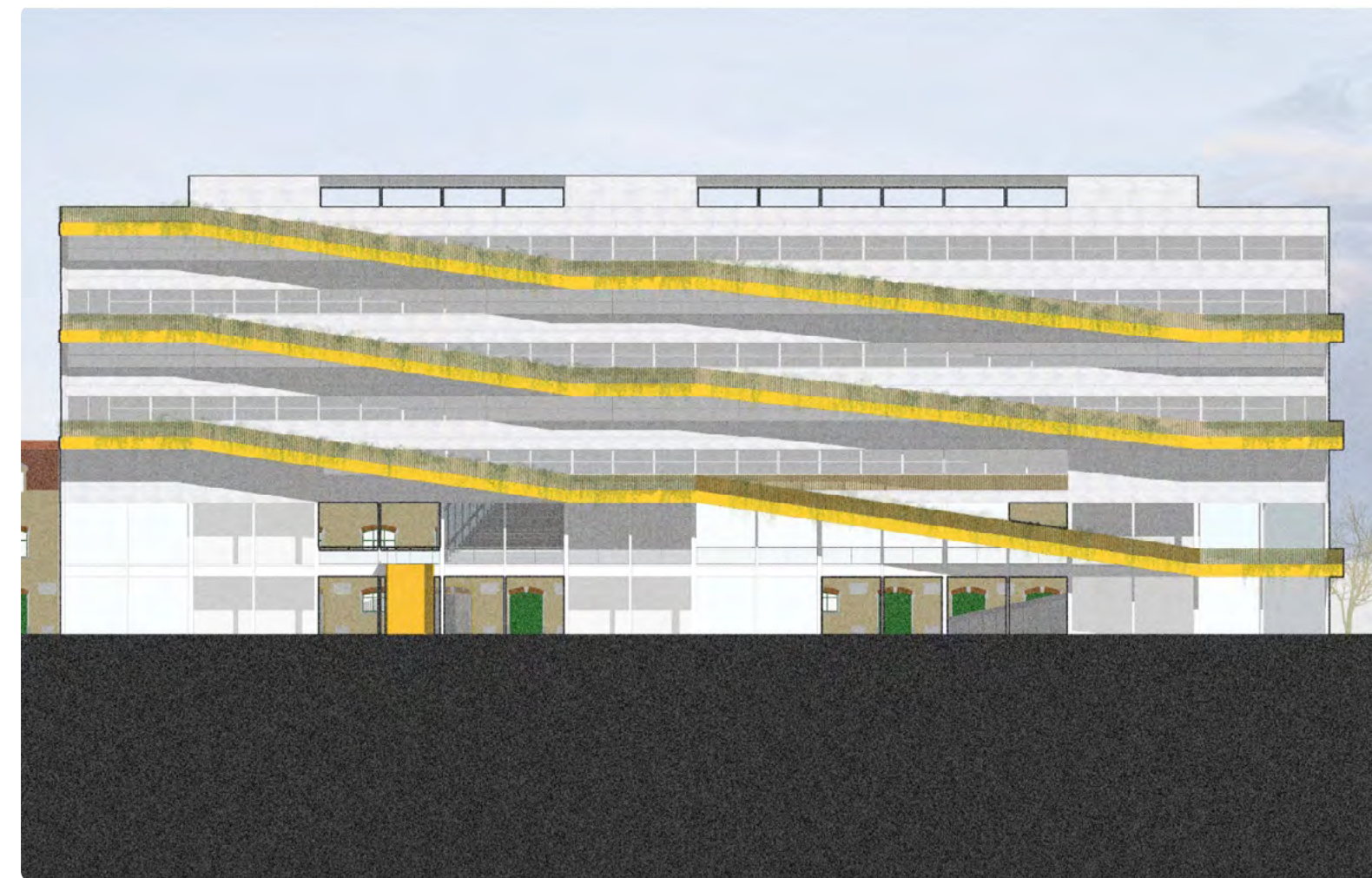
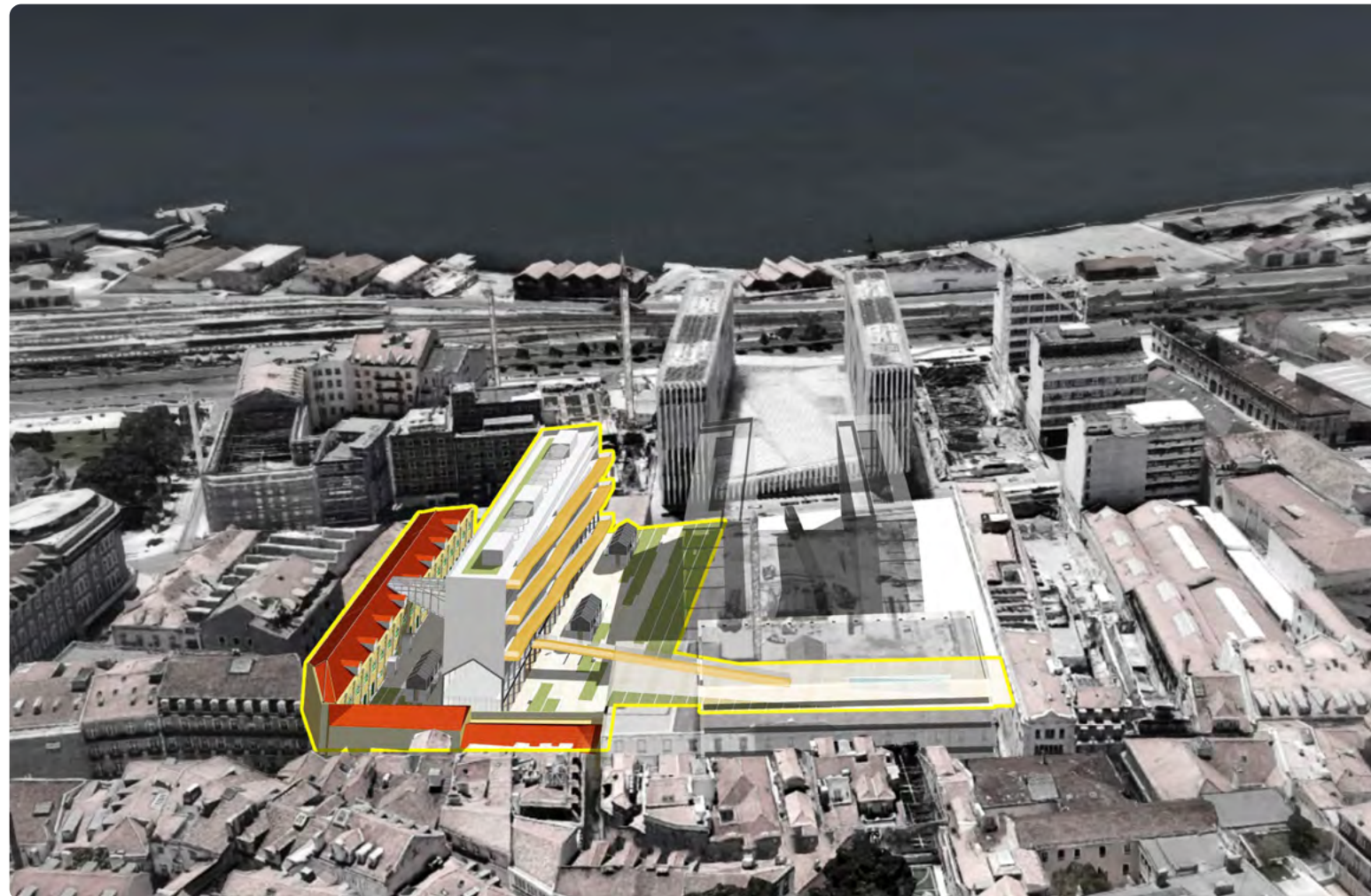
Ms Hu ROSSANA

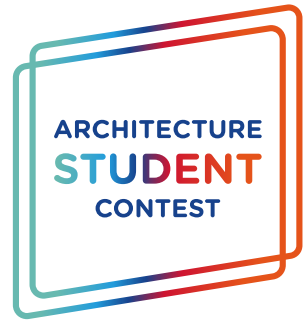


China



TEAM N°31
Tongji
University





TEAM N°32
*University
of Hasselt*

Student team



**Bram
BEMELMANS**



**Caitlin
VALKENBORGH**

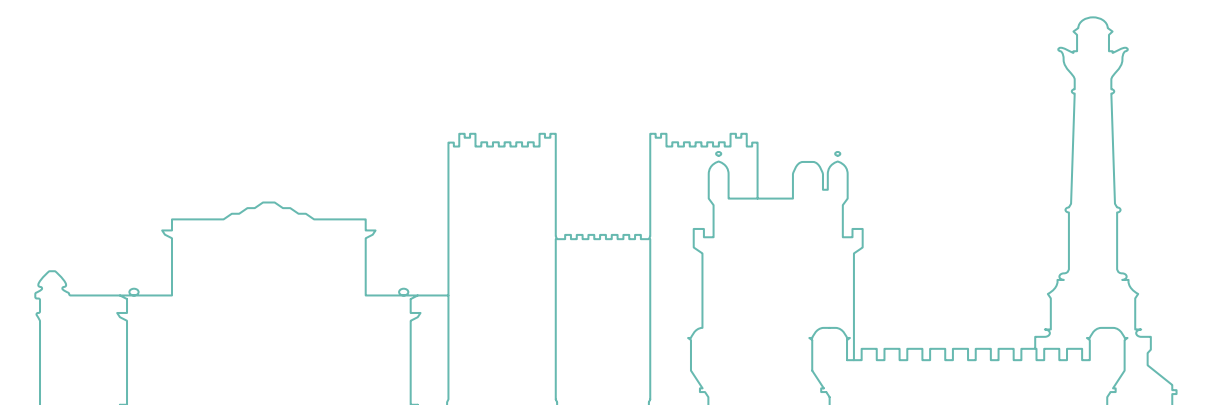
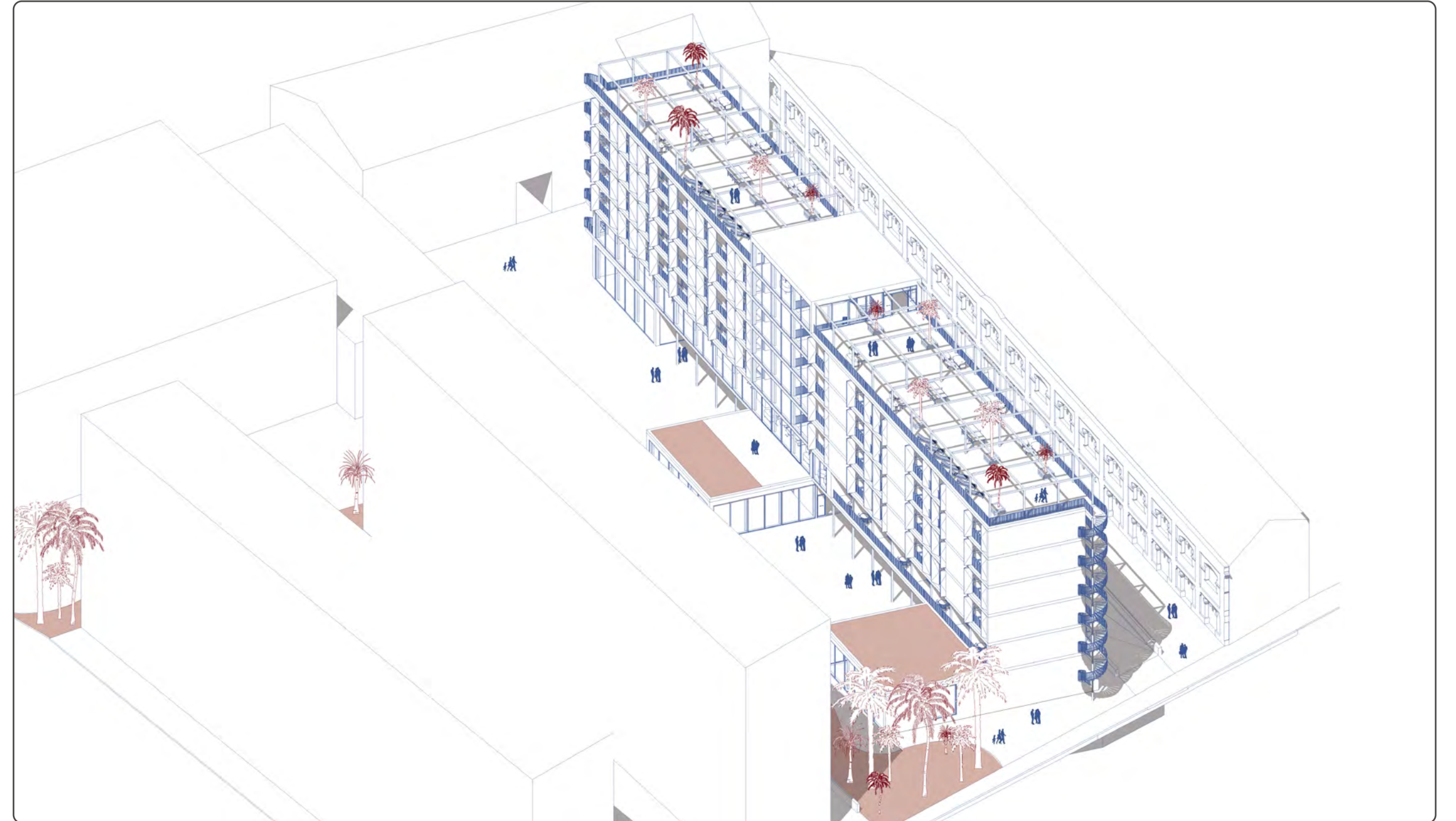


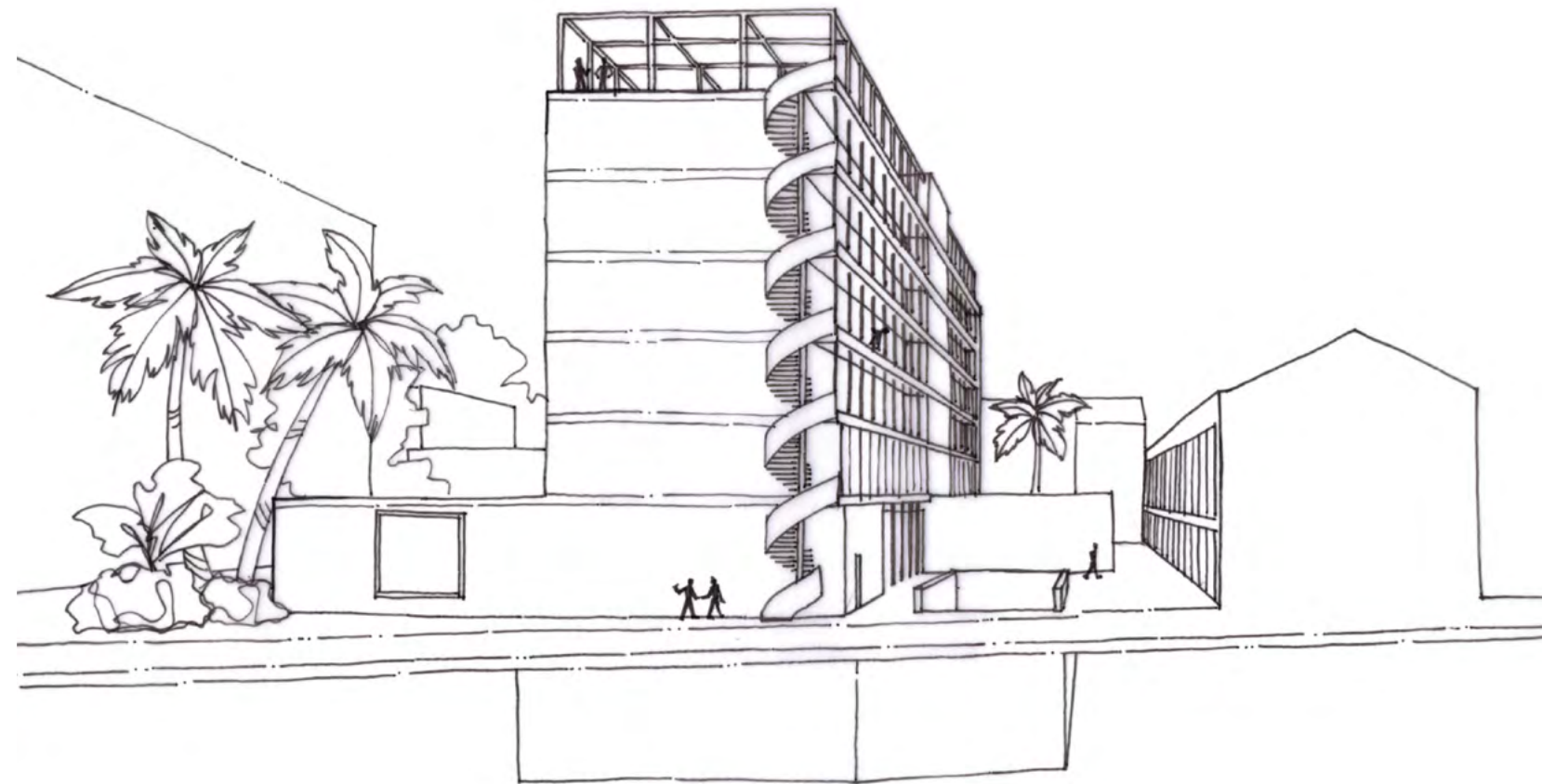
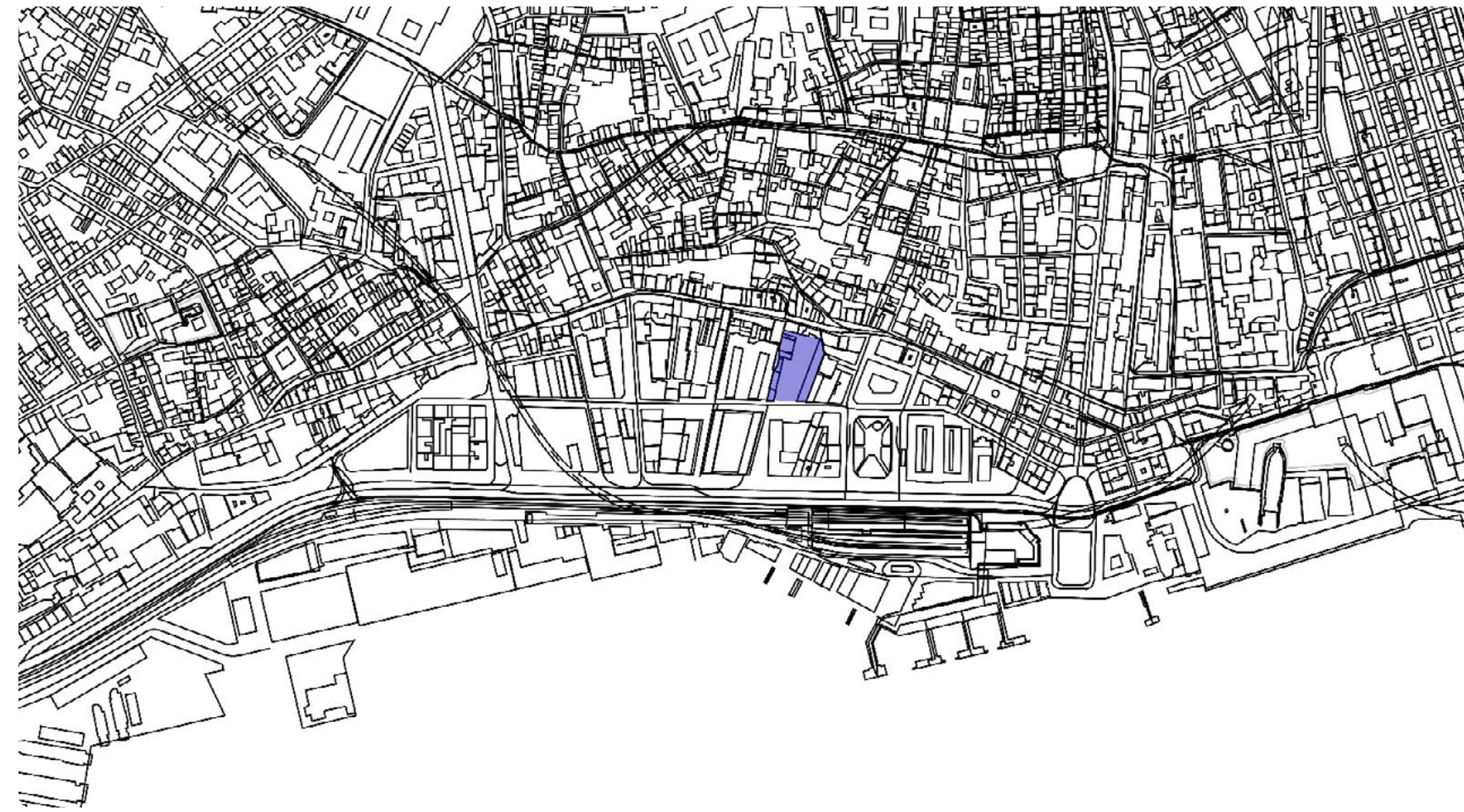
**Thorsten
AUGUSTUS**

Professor



**Mr Jo
JANSSEN**



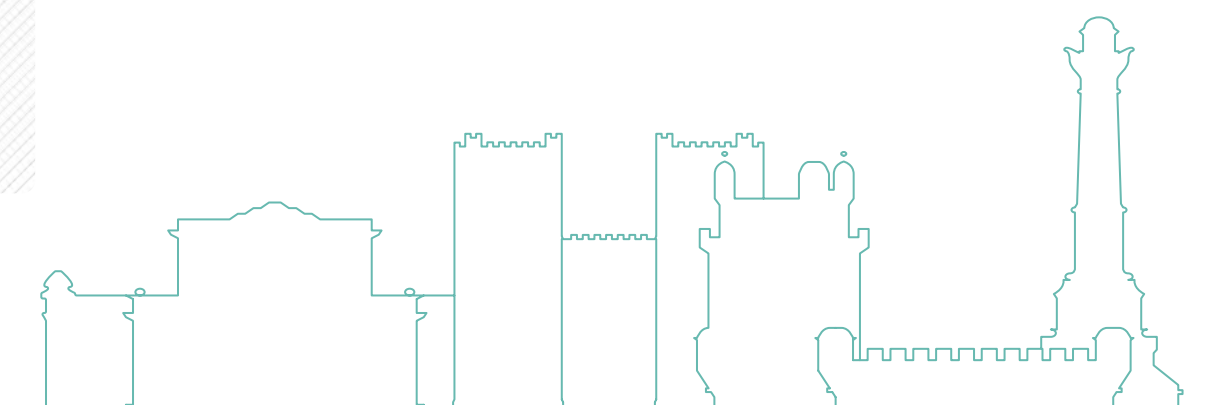
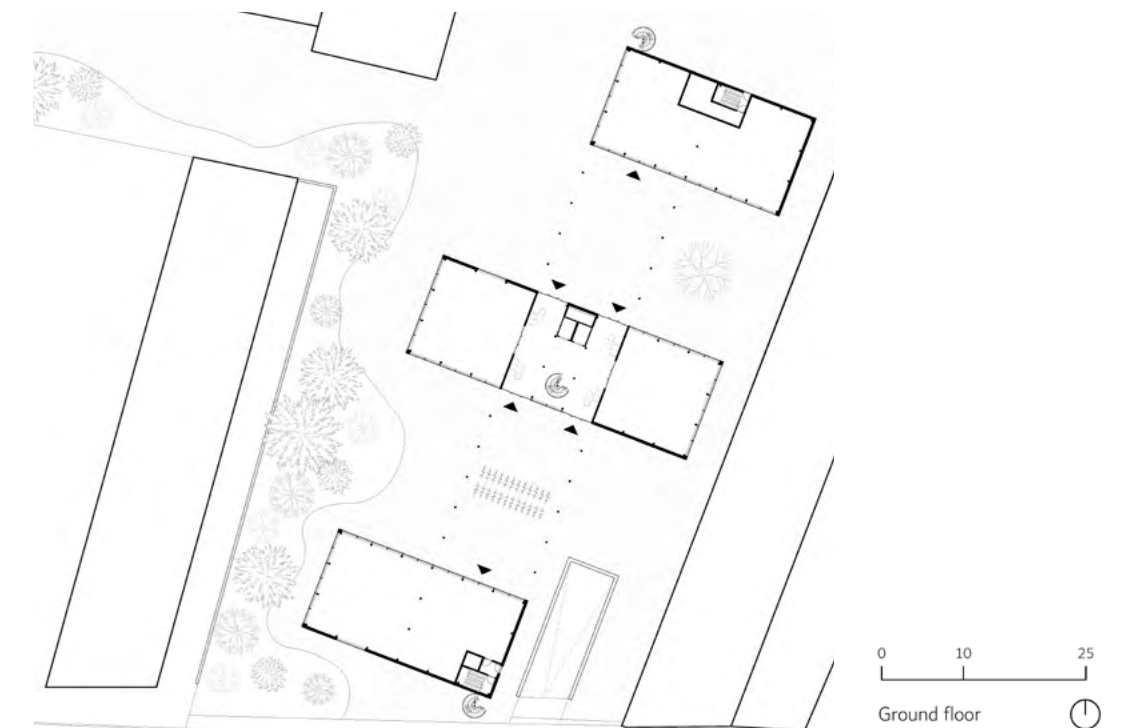
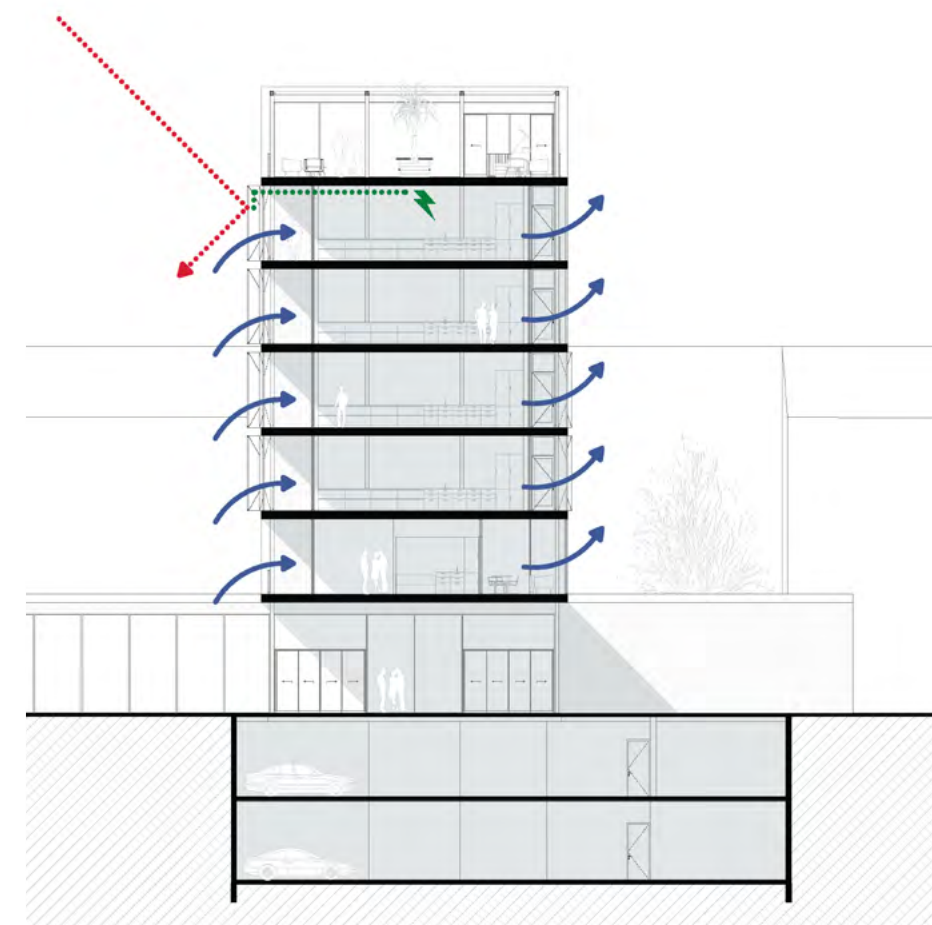
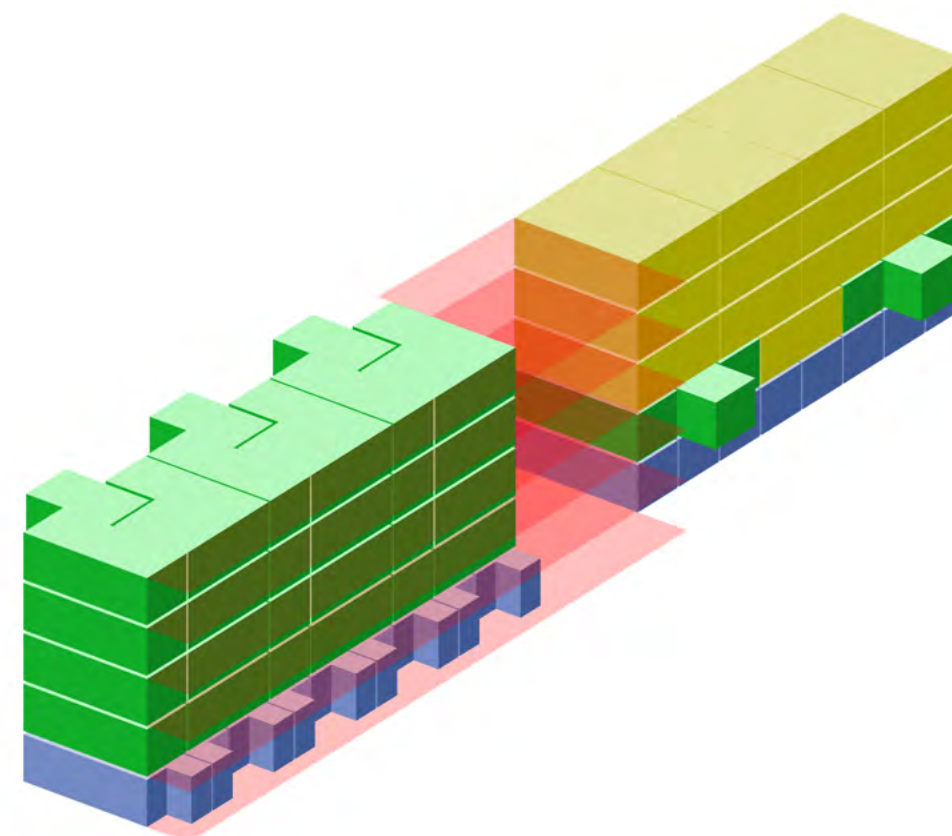
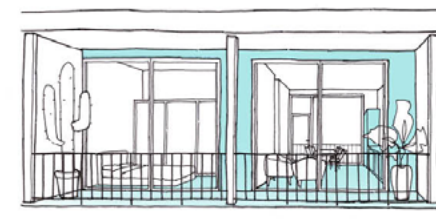
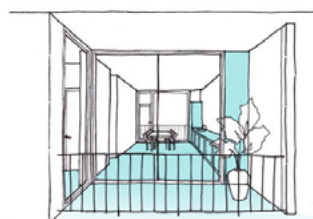
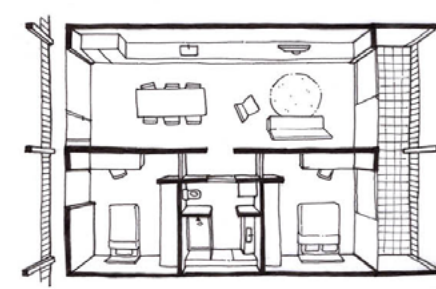
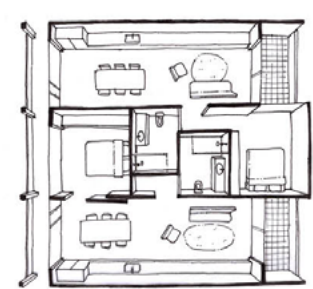
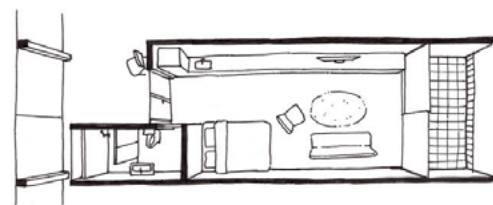


Apartments

Collective housing

1 Bedroom flat

2 Bedroom flat





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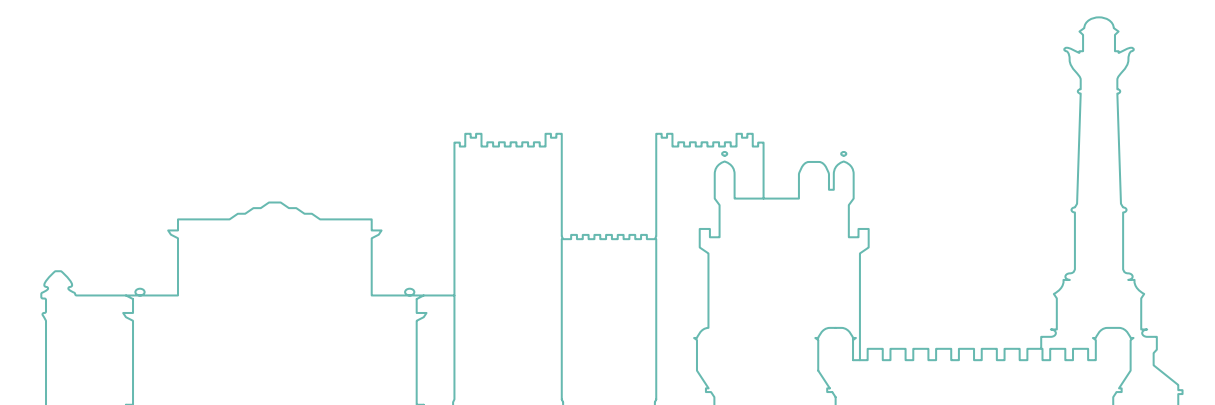
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