

COMPLEX PROJECTS GRADUATION STUDIO - P5.0

FEDERAL FOREIGN OFFICE, BERLIN

Group 00 - Bodies, Building, Berlin

Stepan Serdiukov 19/01/2023

- 1. INTRODUCTION
- 2. NEW POLITICS
- 3. DESIGN

CONCEPT IMPLEMENTATION DEVELOPMENT

5. CONCLUSION

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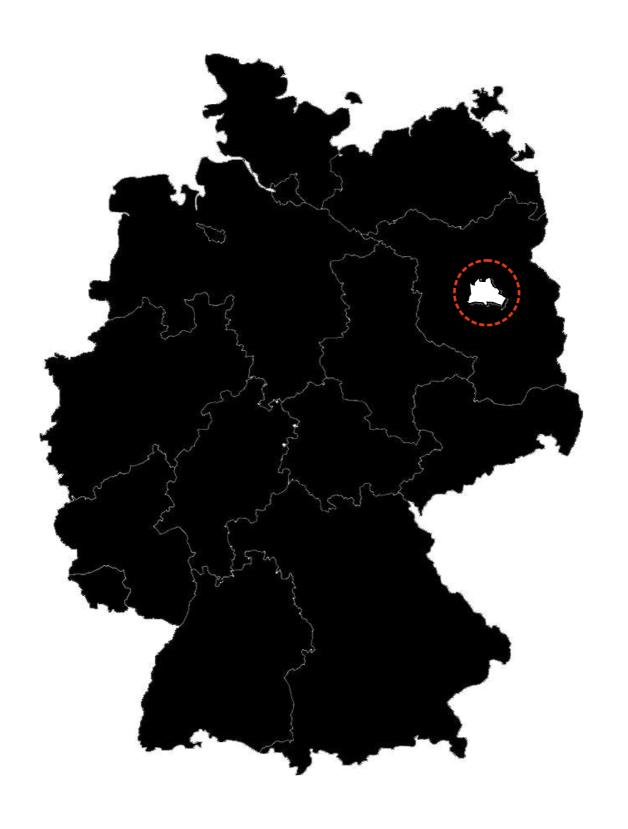








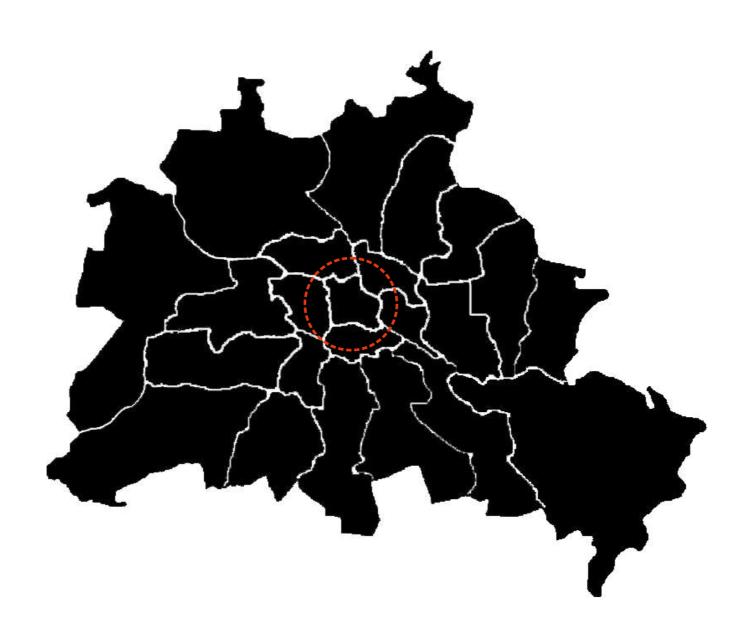






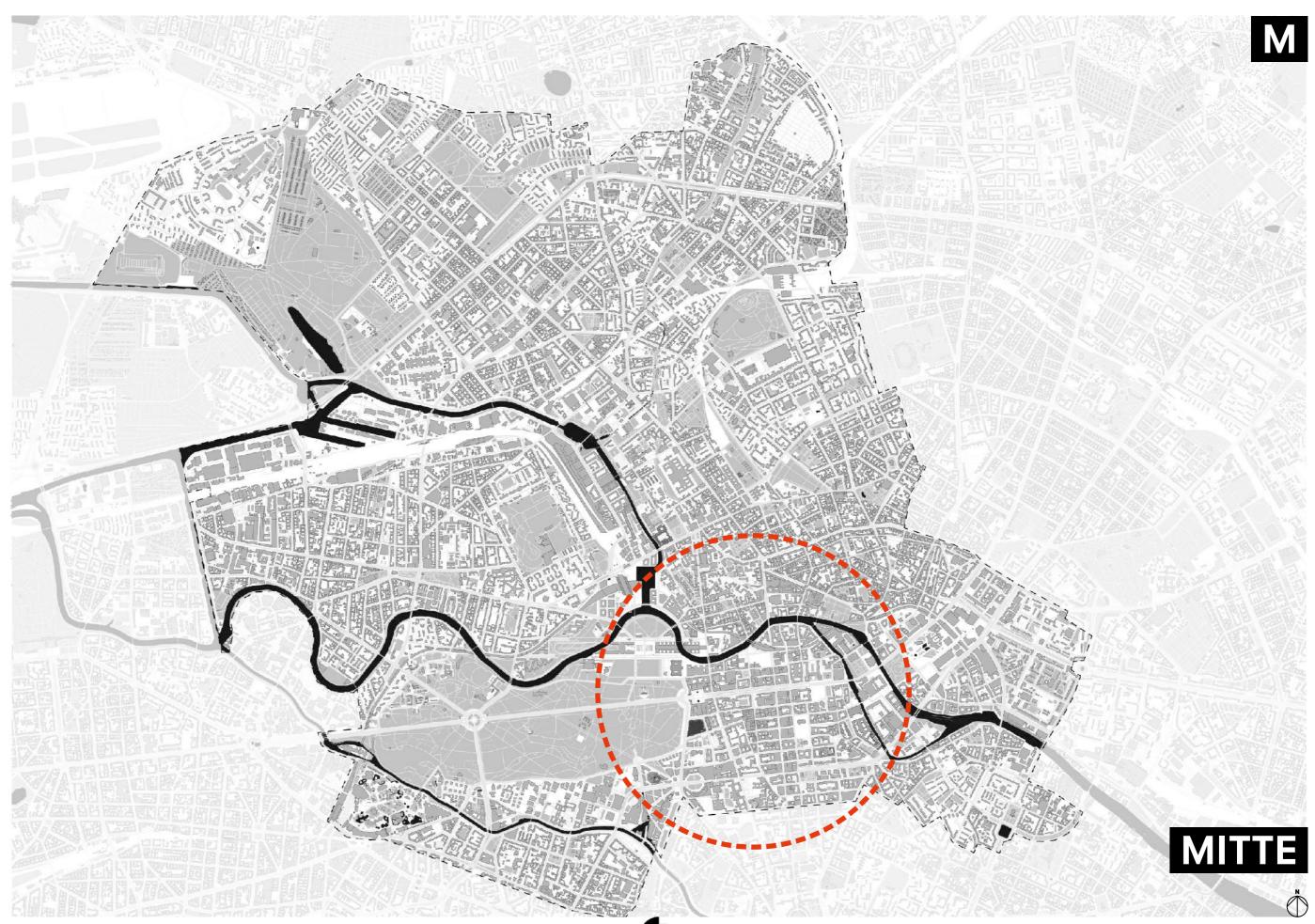












Berlin



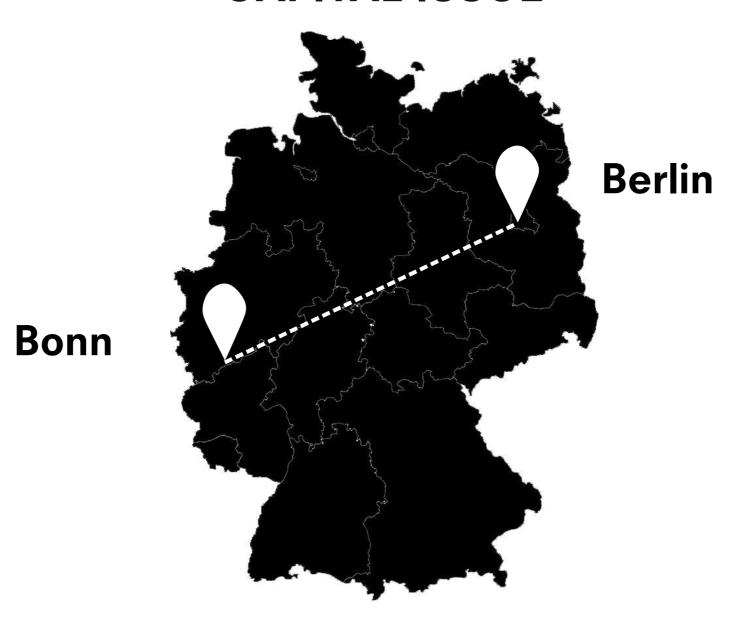
Berlin

LAYERED CITY

"Berlin has very different historical layers of urban architecture that are nested next to each other and intertwined in so-called historical center. Many witnesses of the medieval city coexist with modernism buildings and above all post-war modernism architecture. Those traces must be remained and attract people without hiding its history and covering up its fractures."

Quote from Regula Lüscher (2010)

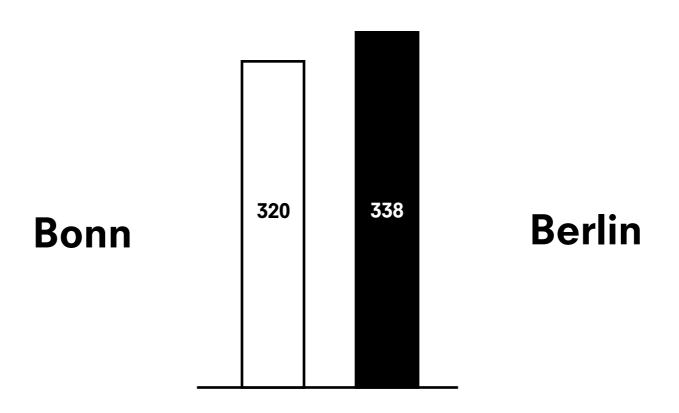
CAPITAL ISSUE



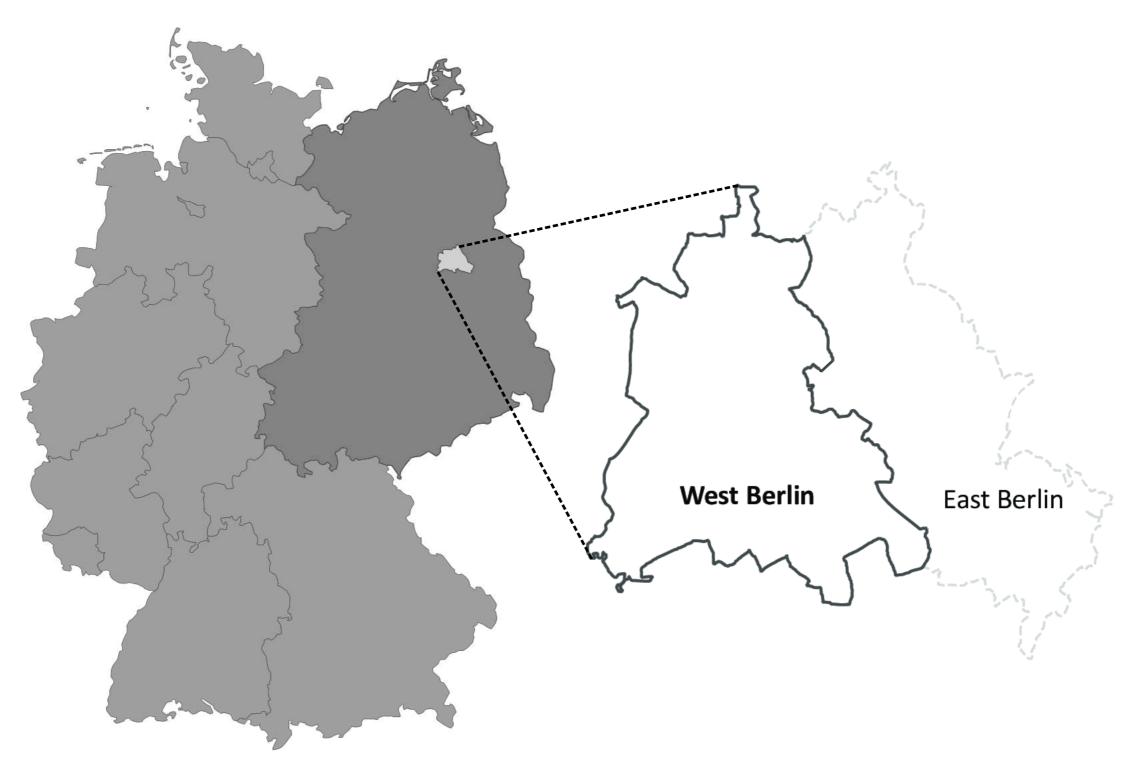
On 31 August 1990, The Unification Treaty, of East Germany within the Federal Republic of Germany under the German Basic Law states that: "The capital of Germany is Berlin. The question of the seat of Parliament and Government will be decided after the unification of Germany"

However, Berlin had the status of being a symbolic capital city. This compromise was made because of not reaching political unity about the future state capital.

complex projects



20 June 1991 when the German Bundestag voted on the "Motion for Completion of the German Unification". After a controversial debate the motion was approved by **338 to 320** votes. With the passing of the motion, Berlin was also established as the seat of the German Bundestag.



Within a very short period of time, the task was to ensure the functioning of parliament and government in the new capital and to bring together the infrastructure of the formerly divided city, which had been separate for decades.

Government buildings



The Federal Government was appointed to:

1

The equal integration of parliament and government, the state representations and other capital-related institutions in the center of Berlin

2

The integration of federal institutions into the historically grown and diverse urban structure in order to avoid monofunctional, "deserted" areas

3

The creation of a parliament of short distances by concentrating the functions of the capital on the spatial focal points

Spreebogen and

Spreeinsel

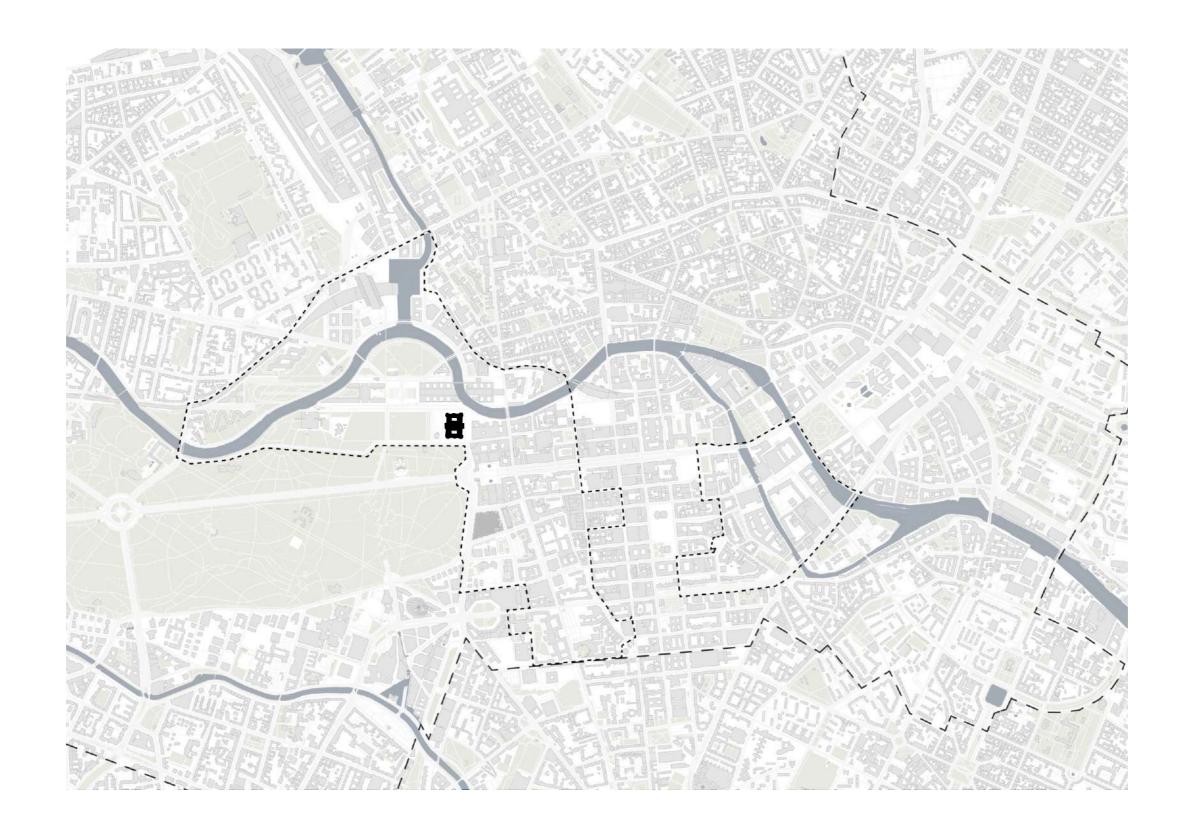
4

The capital-related construction and expansion of the infrastructure and the improvement of the ecological structure as well

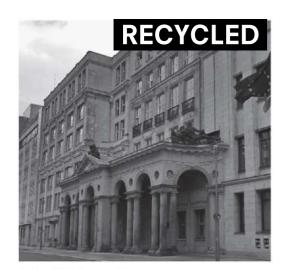
Government district

The ultimate goal was and is the spatial integration of parliament and government, the state representations and other capital-related institutions into the historically grown Berlin city structure, which is characterized by urban vitality. This is how a parliamentary district of short distances was created in the heart of Berlin.

Government district



Government buildings



Federal Ministry of Justice



Federal Ministry for Economic Affairs and Energy



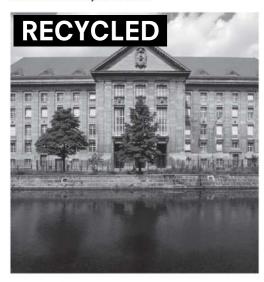
Federal Ministry for Digital and Transport



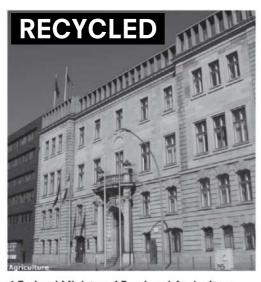
Federal Ministry of Finance



Federal Ministry for Economic Cooperation and Development



Federal Ministry of Defence



4 Federal Ministry of Food and Agriculture



Federal Ministry of Labour and Social Affairs (Berlin)



Foreign Affairs Office



Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (Bonn)



The Federal Ministry of the Interior and for Community



Federal Ministry of Education and Research



Federal Ministry for Family Affairs, Senior Citizens, Women and Youth



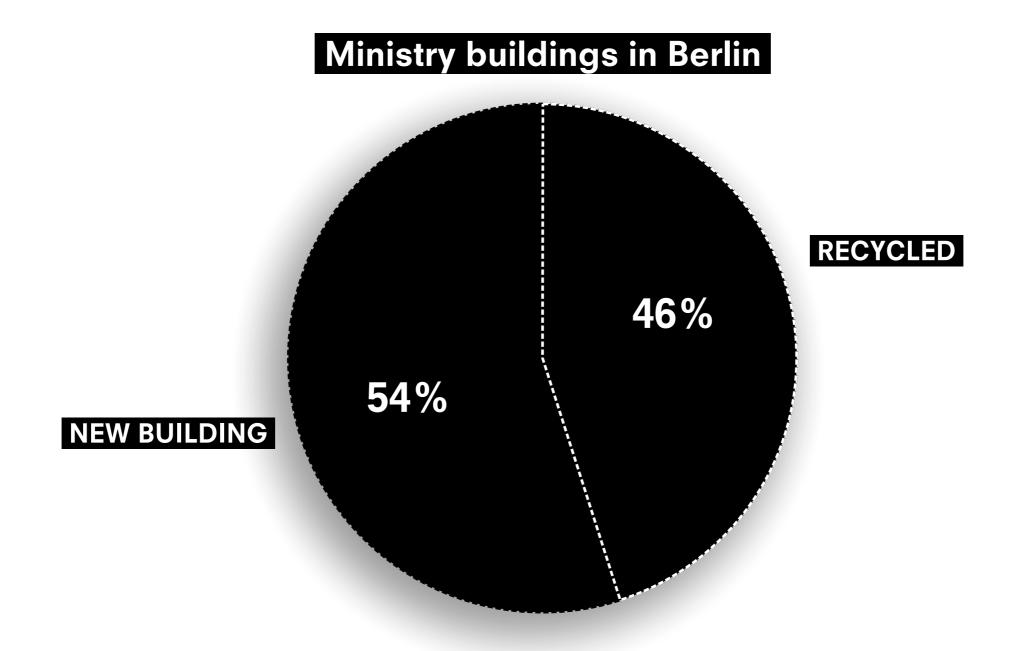
Federal Ministry of Health (Berlin, second office located in Bonn)



Federal Ministry for Housing, Urban Development and Building



Government buildings



Federal foreign office

Designed as a Reichsbank was a symbol for a global restructuring of a city,

The building is not a typical National-Socialist architecture example, it is more a typical example of conservative modernity.

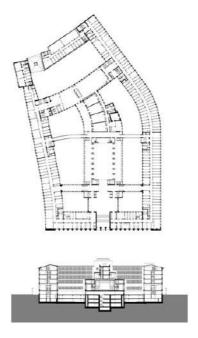
The building was occupied for the needs of Reichsbank. Cash halls, rooms for organization of money circulation, gold and foreign exchange storage and Offices.

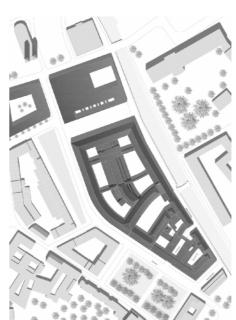
After 1945 building was given to a Ministry of Finance of GDR.Later to an East German Communist Party.

After 1991 it became a new Federal Foreign Office.

Multi-layered history of the site was decided to be legible to the public and thus provide a 'visual aid' for critical and self-critical reflection.









Prof. Hans Kollhoff / Foreign office berlin

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Ambition

Architectural challenges

NEW POLITICS



Ambition

Main problem



Prof. Hans Kollhoff / Foreign office berlin

Main problem



Typical office space

Ambition

Main problem



Prof. Hans Kollhoff / Foreign office berlin

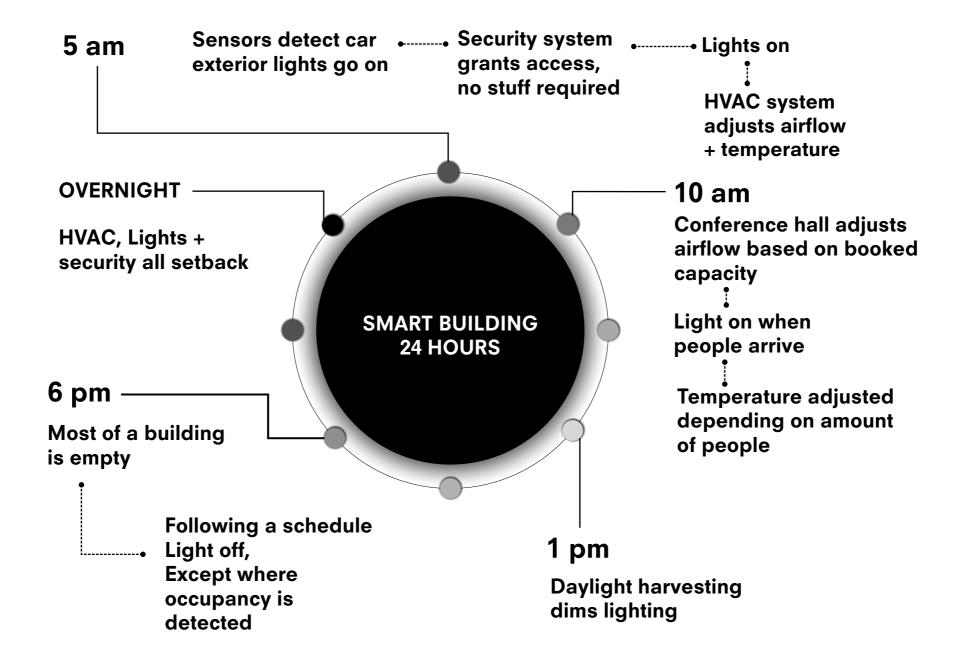
Ambition

Architectural challenges

TECHNOLOGICAL BUILDING



Technological building



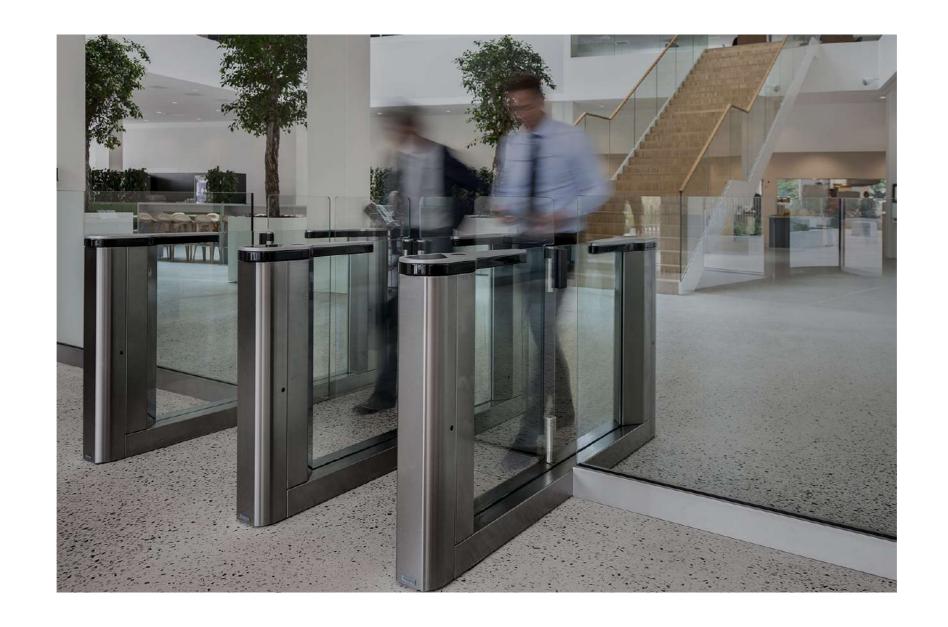
Ambition

Architectural challenges

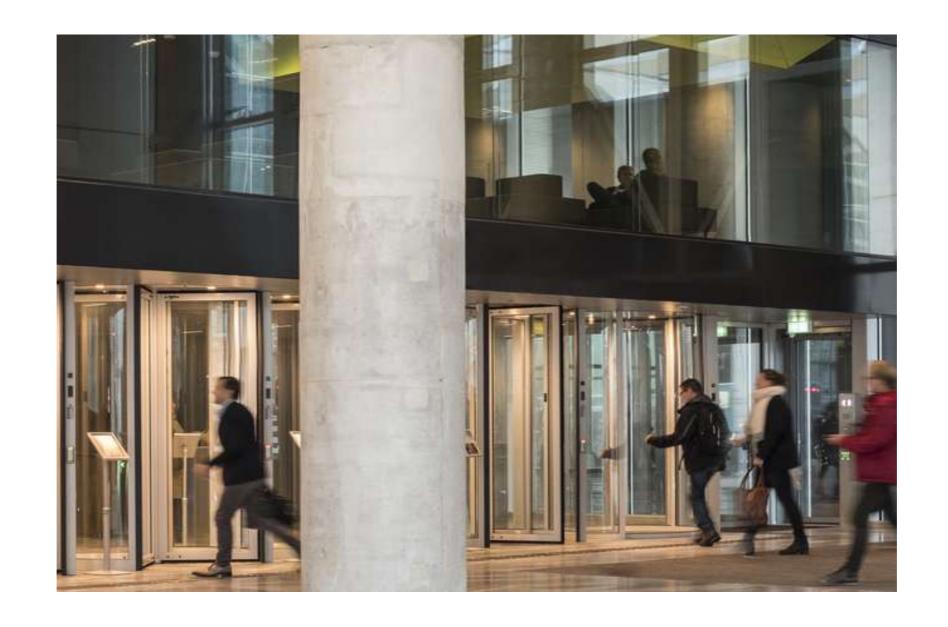
SAFETY



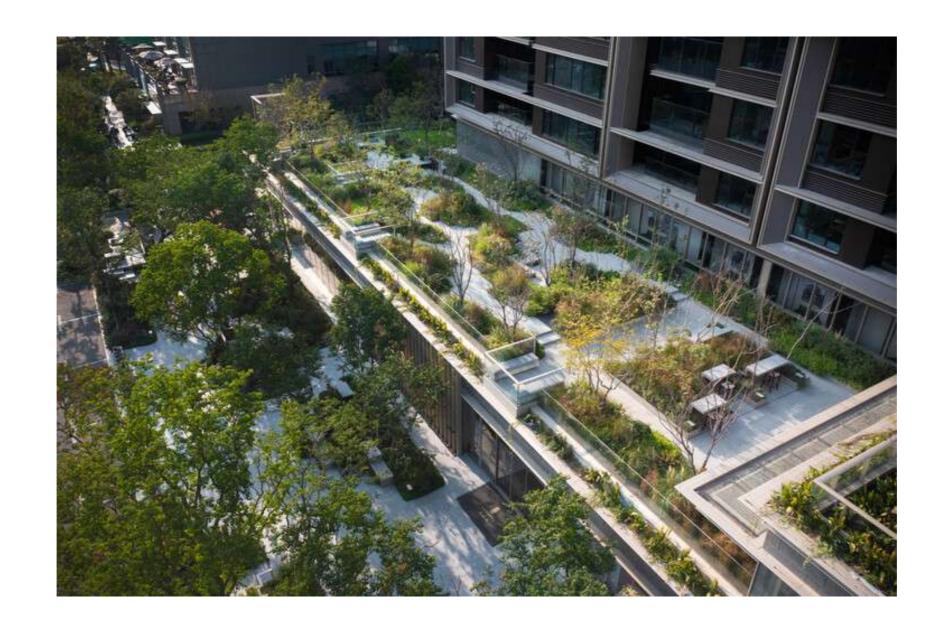
Safeguarding Access Points



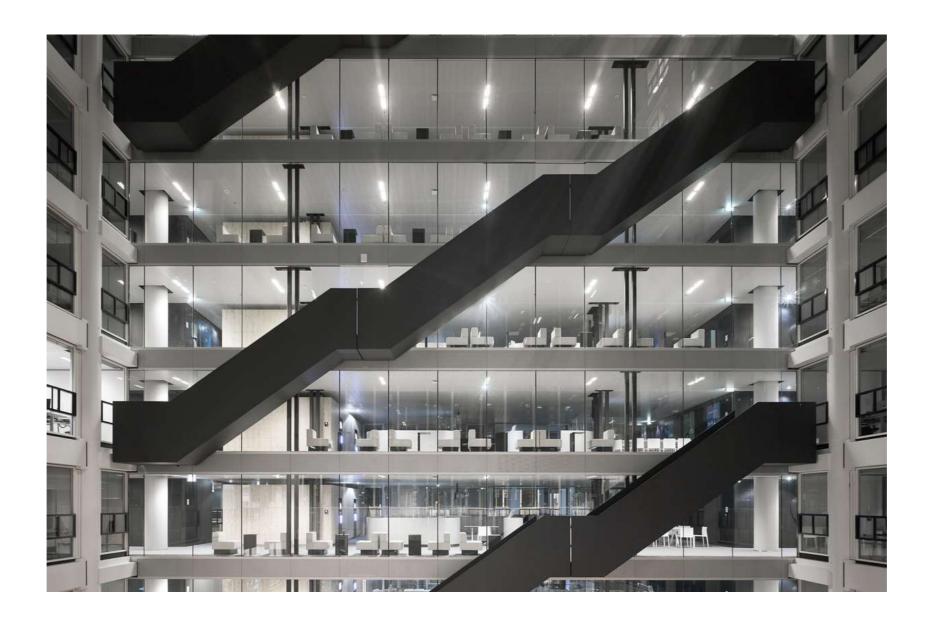
Creating Security Layers Through Zoning



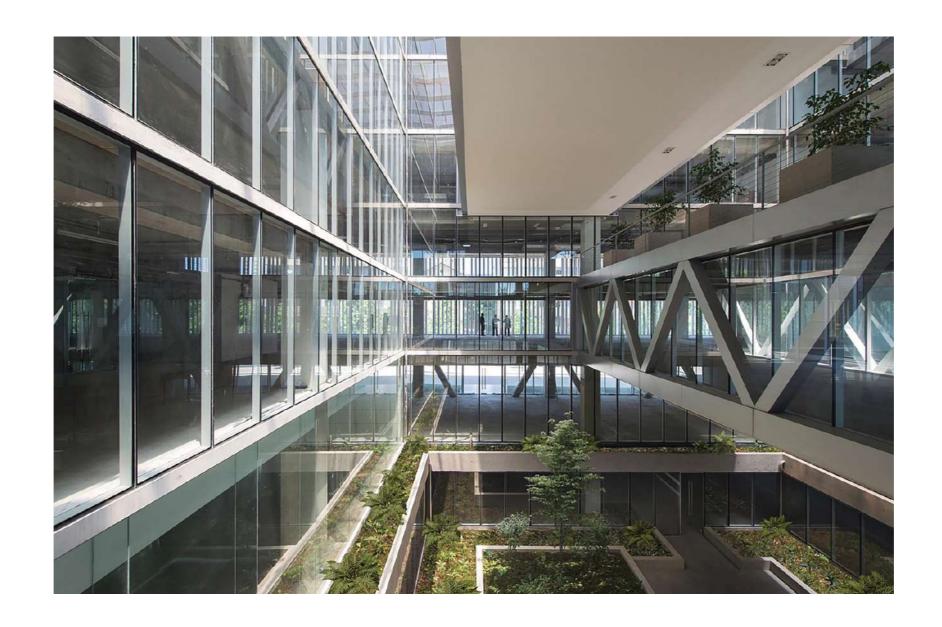
Securing Outdoor Areas



Using Emergency Color Coding and Wayfinding



Designing Clear Sightlines



Installing Security Cameras and Metal Detectors

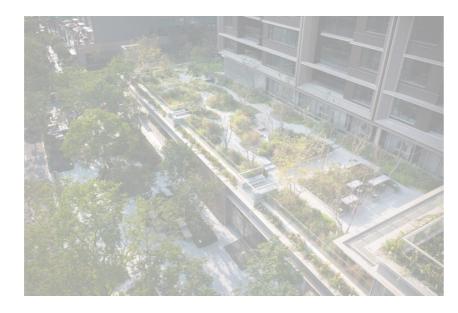


Research topic











Research

Research question

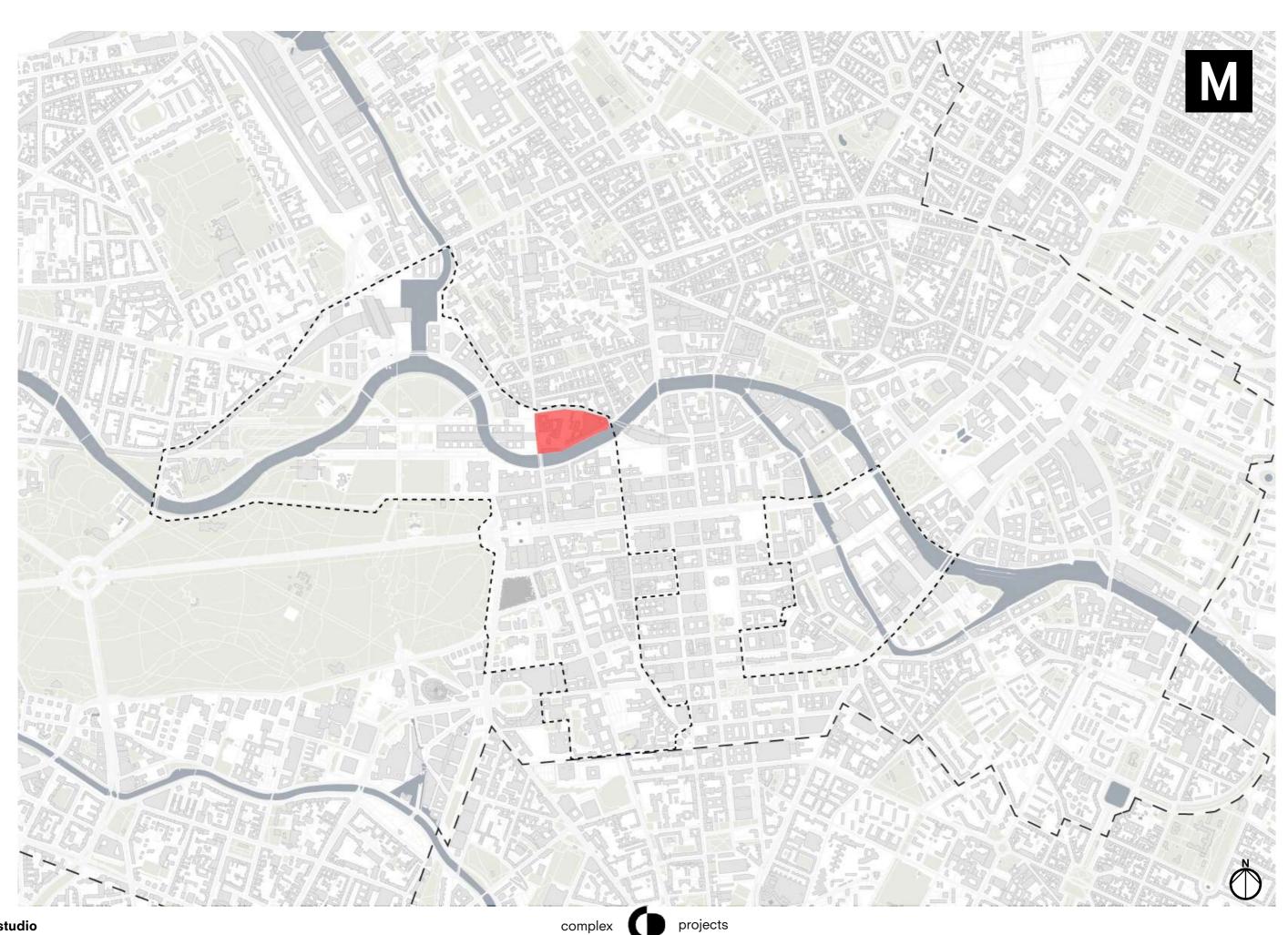
How does servant space evolve in the government building to increase architectural performance?

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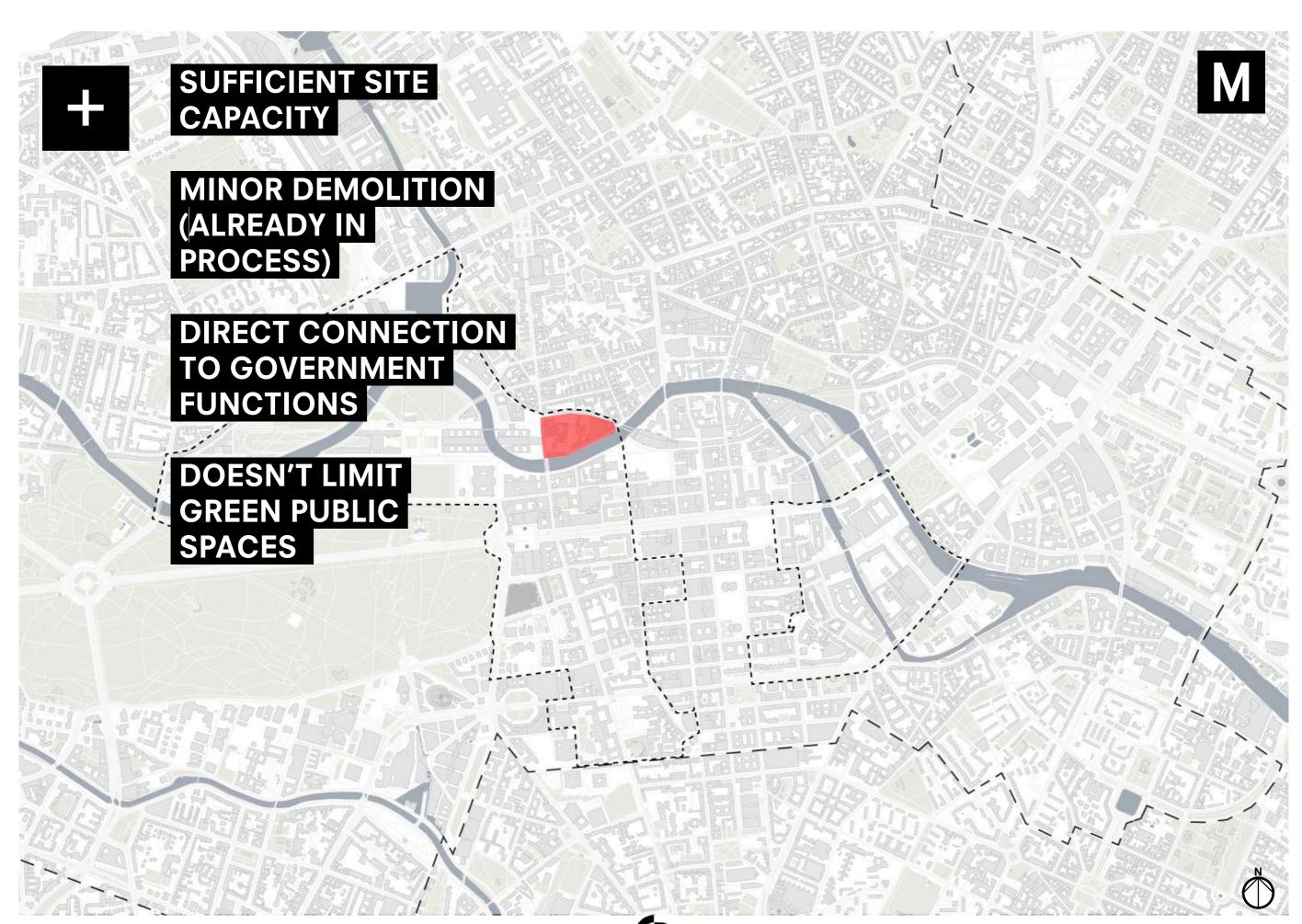
CONCEPT
IMPLEMENTATION
DEVELOPMENT

5. CONCLUSION

Concept Chosen Location



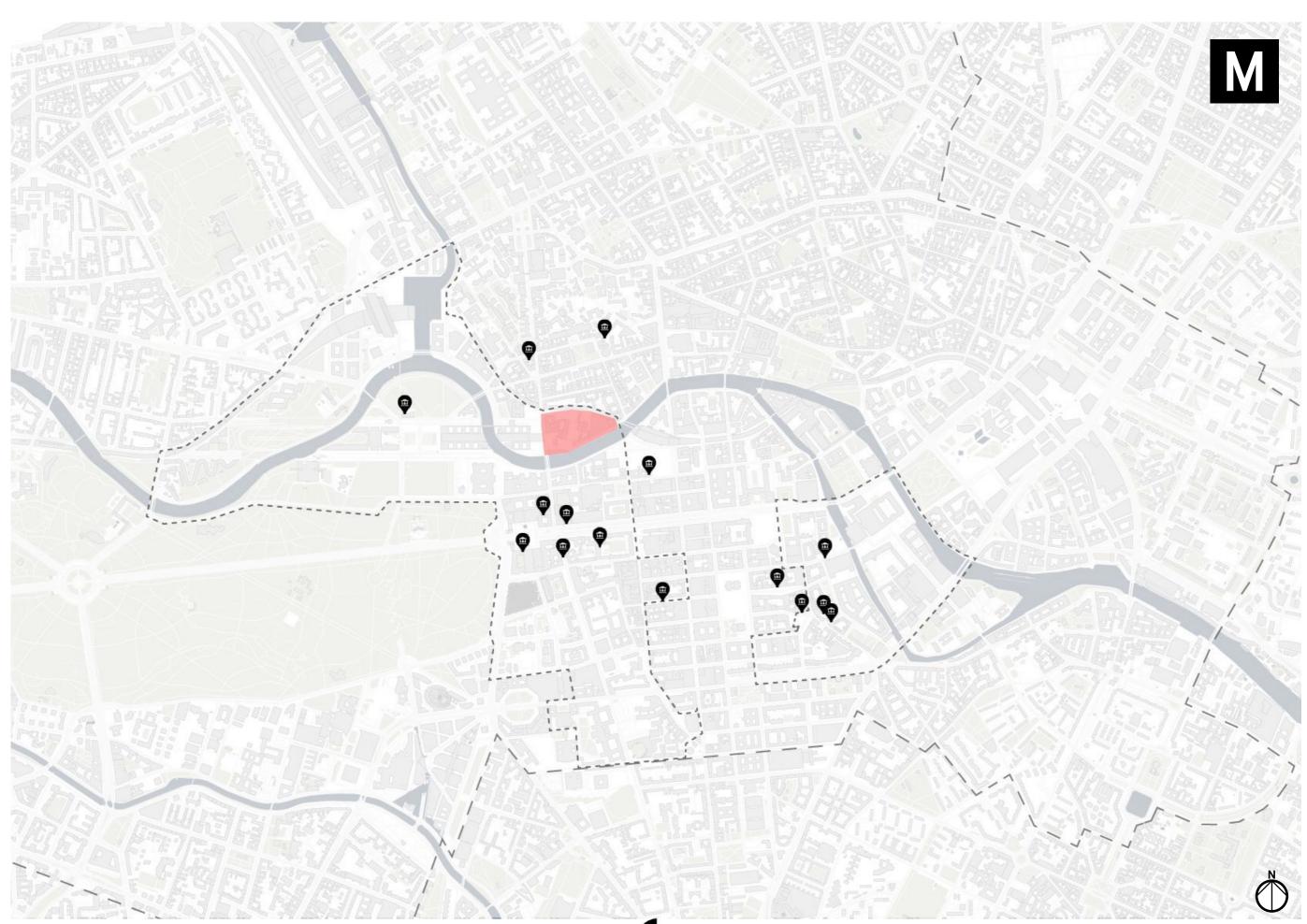
Chosen Locations



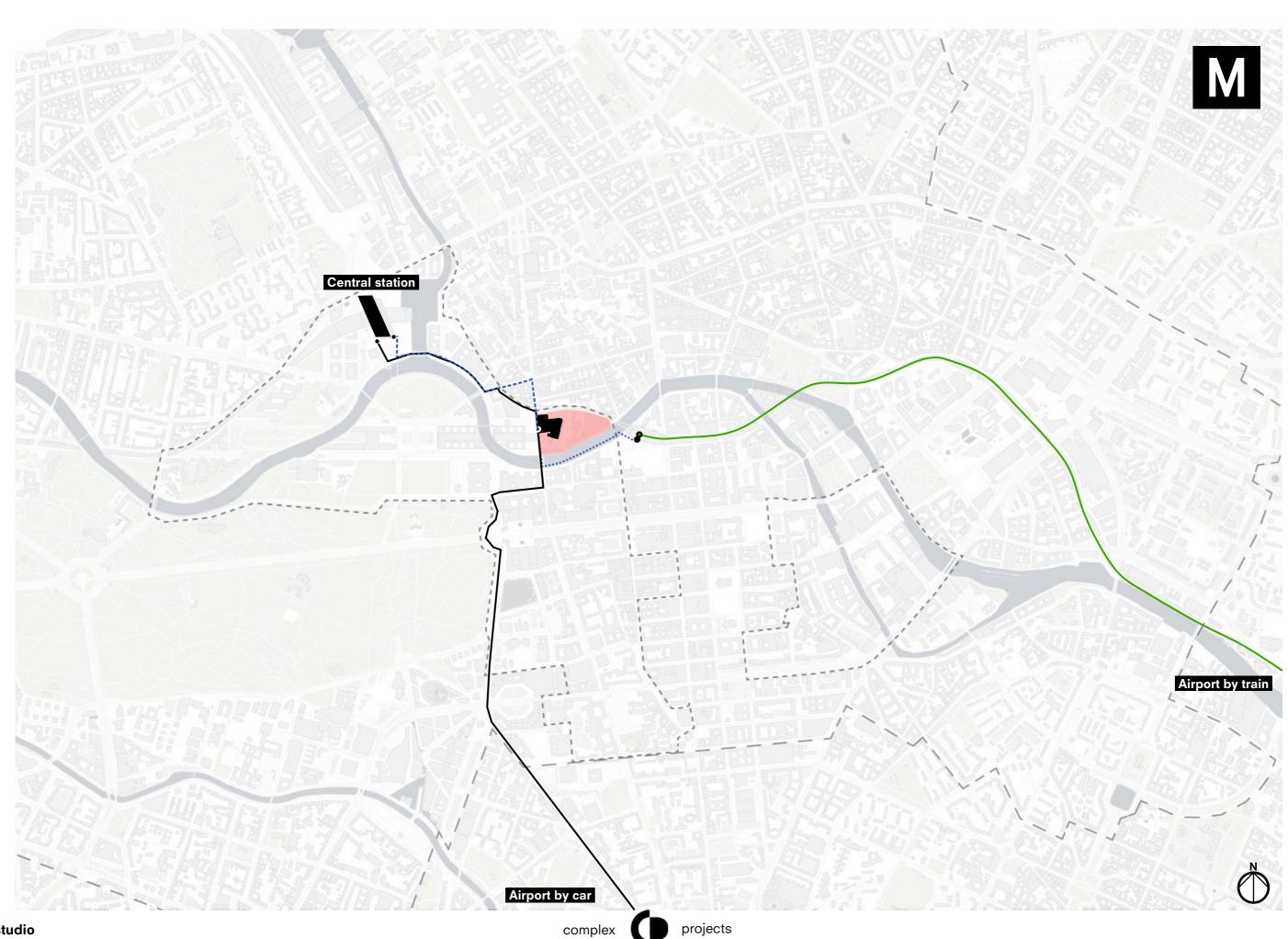
projects

Concept

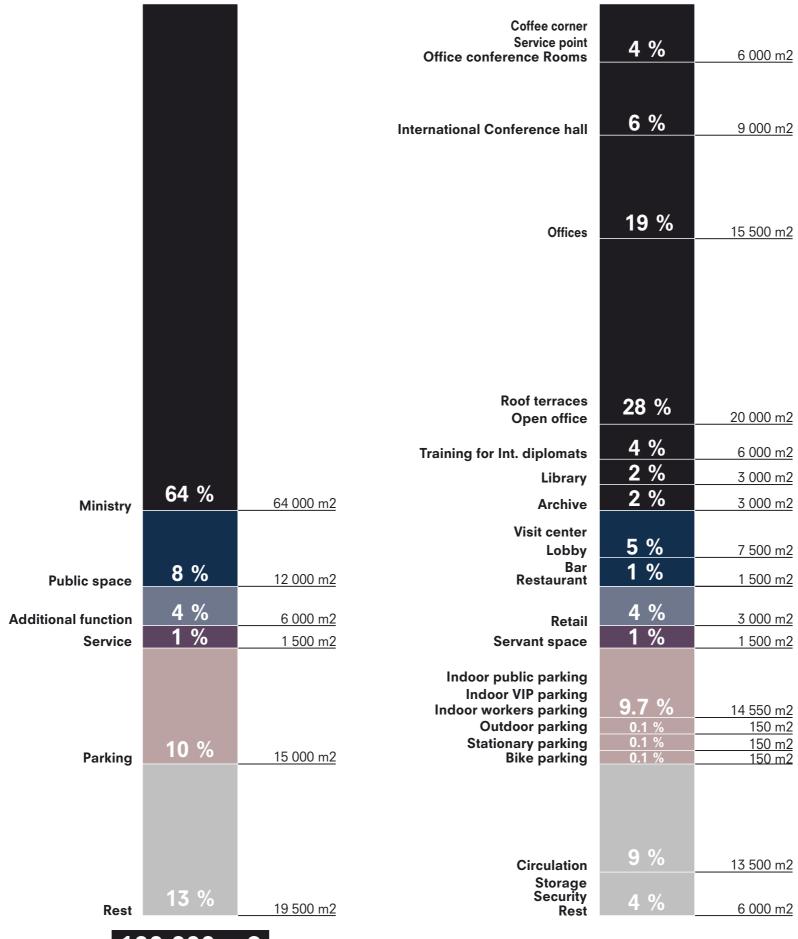
Government district and embassies



Concept
Transport connection



Program



100 000 m2



Program requirements

MINISTRY DEPARTMENTS ORGANIZATION						
GENERAL	REGIONAL DEPARTMENTS	POLICY THEME DEPARTMENTS	MULTILATERAL DEPARTMENTS	SUPPORT DEPARTMENTS	SPECIAL APPOINTMENTS	COORDINATION AND COMMISSIONER
 European Cooperation Political Affairs International Cooperation Foreign Economic Relations 8 % 	 Europe Department Asia and Oceania Western Hemisphere Sub-Saharan Africa Department North Africa and Middle East Department 15 %	 Strategic Policy Unit Security Policy Department Political Affairs Section Sustainable Economic Development Department Social Development Department International Cultural Policy Unit Consular Affairs and Visa Policy Department Department for Stabilisation and Humanitarian Aid International Trade Policy and Economic Governance Inclusive Green Growth 	 European Integration Multilateral Organisations and Human Rights 4 % 	 Offce of the Secretary-General CIO Offce Information Services Inspection, Risk Analysis and Advisory Personnel and Organisation Communication Quality Control and Supervision Policy and Operations Evaluation Legal Affairs Audit Translation Real Estate and Facilities Management Security, Crisis Management and Integrity Protocol and Host Country 	 HIV/AIDS Ambassador Ambassador for International Cultural Cooperation Ambassador for the Millennium Development Goals Ambassador for International Organisation Human Rights Ambassador Special Representative for Neighbouring Countries 12 % 	 The commissioner for human rights policy And humanitarian assistance The Commissioner for German-French Cooperation The coordinator of german-polish Cooperation The coordinator of transatlantic cooperation The special representative of the federal government for afghanistan and Pakistan The special representative for the countries of the western Balkans

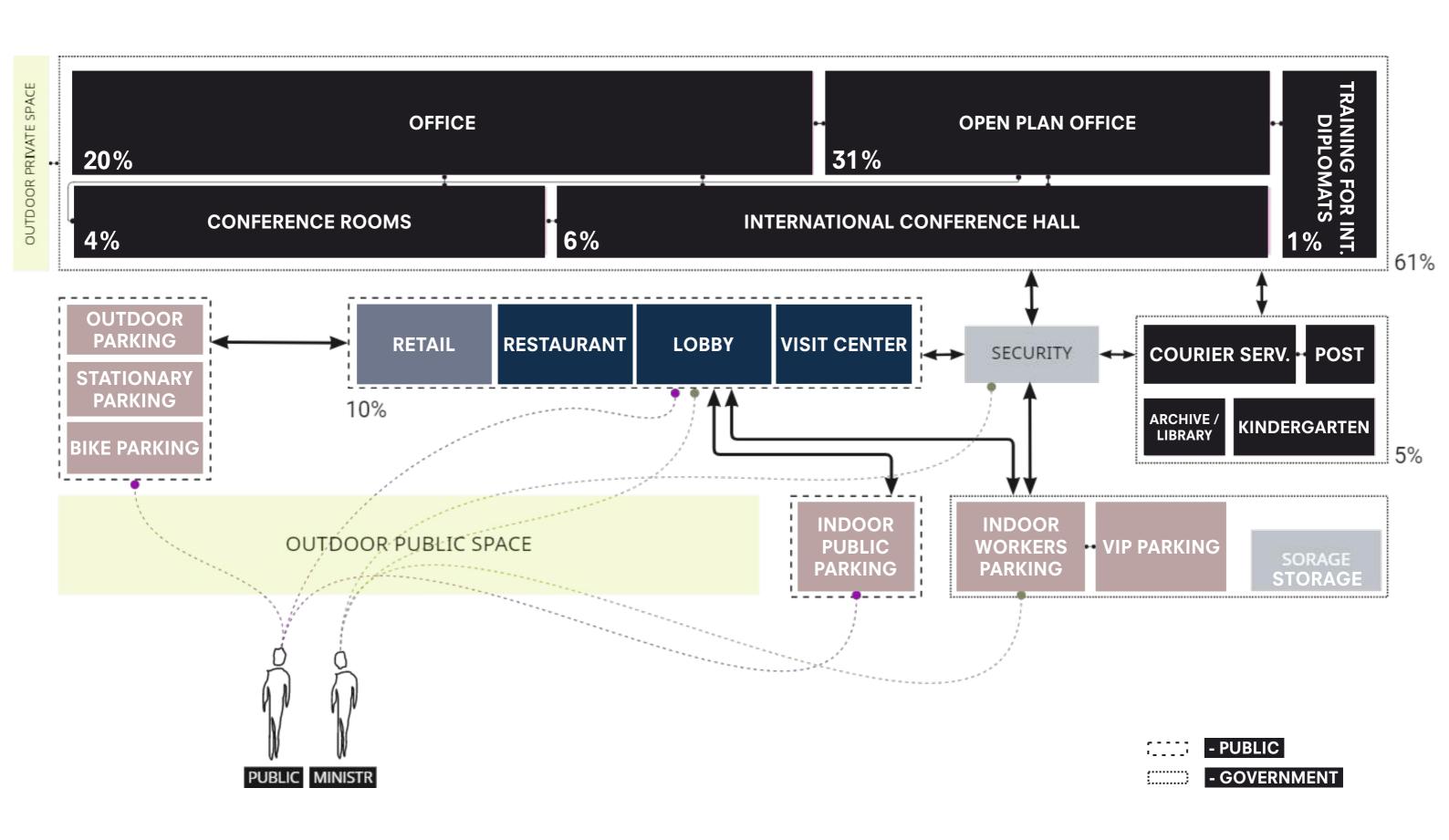
29 %

Berlin studio

complex project

^{* %} FROM THE OFFICE PART OF THE PROGRAM

Concept **Program relation**



Program

















Program









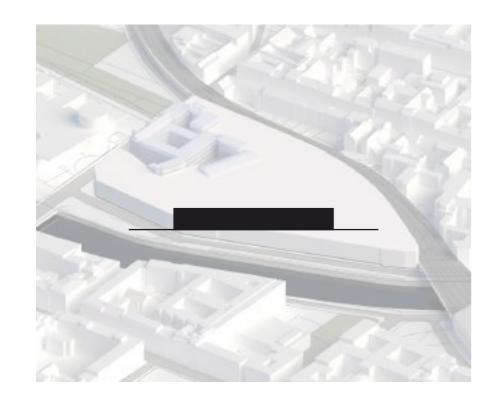


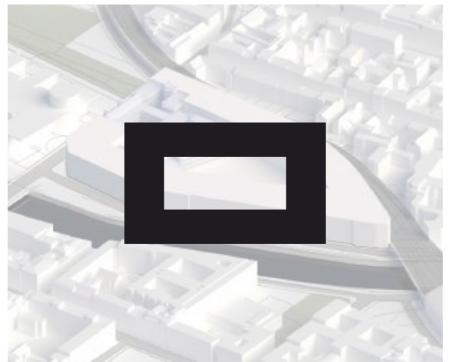


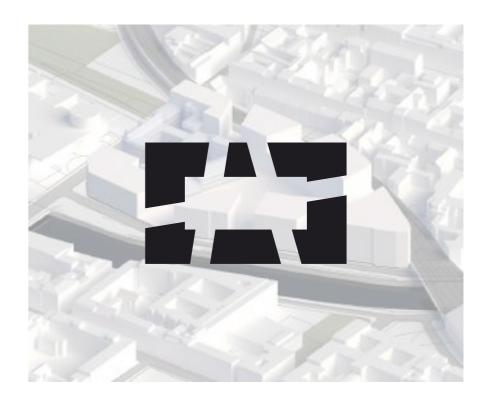


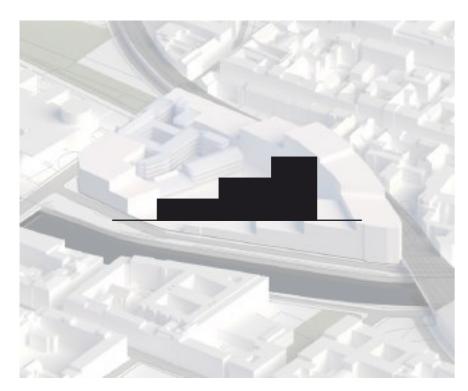


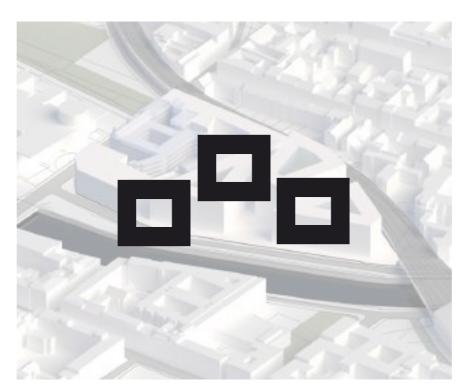
Design approaches

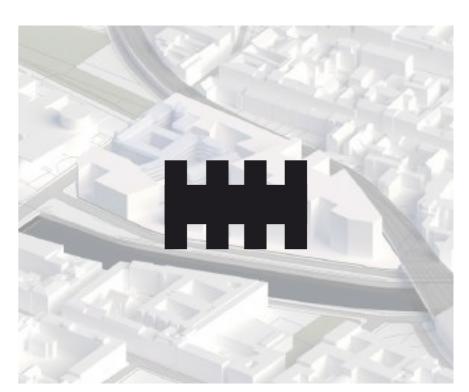












Government buildings



Federal Ministry of Justice



Federal Ministry for Economic Affairs and Energy



Federal Ministry for Digital and Transport



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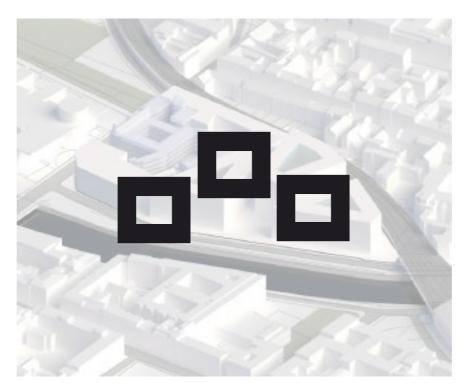
Design approaches





















ARCHIVE

COURIER AND POST

KINDERGARTEN

MINISTRY OFFICES

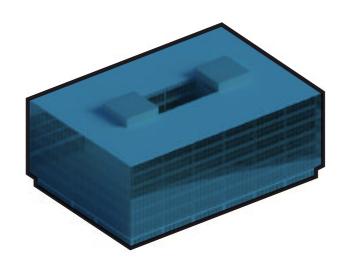
MINISTRY DEPARTMENTS

INTERNATIONAL CONFERENCE

VISDITOR CENTER

LIBRARY

IMMIGRATION CENTER









ARCHIVE

COURIER AND POST

KINDERGARTEN

MINISTRY OFFICES

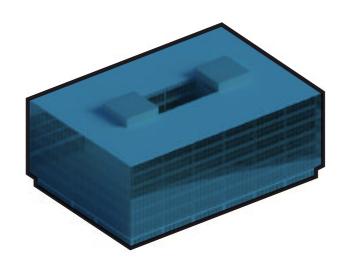
MINISTRY DEPARTMENTS

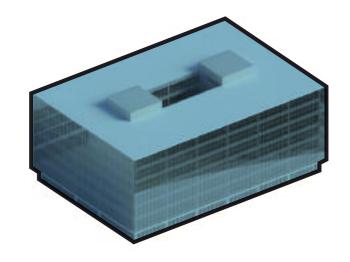
INTERNATIONAL CONFERENCE

VISDITOR CENTER

LIBRARY

IMMIGRATION CENTER









ARCHIVE

COURIER AND POST

KINDERGARTEN

MINISTRY OFFICES

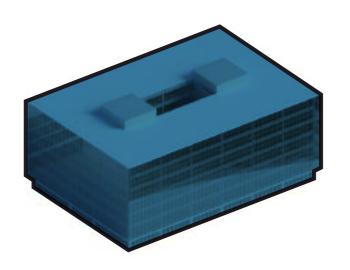
MINISTRY DEPARTMENTS

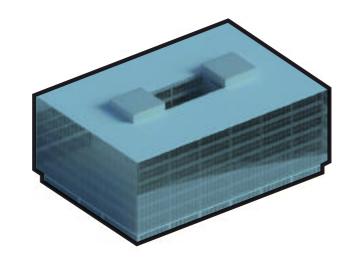
INTERNATIONAL CONFERENCE

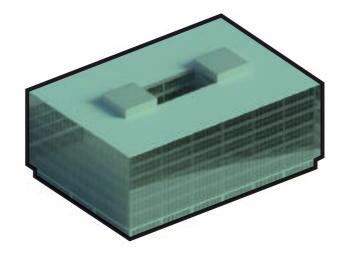
VISDITOR CENTER

LIBRARY

IMMIGRATION CENTER









ARCHIVE

COURIER AND POST

KINDERGARTEN

MINISTRY OFFICES

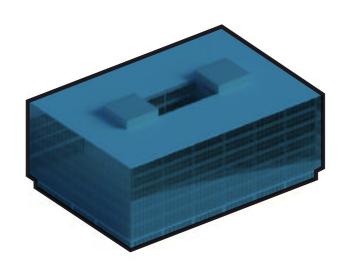
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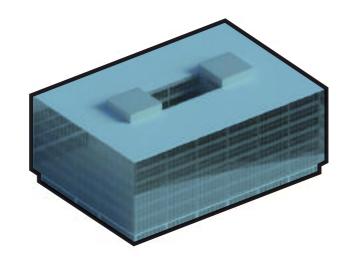
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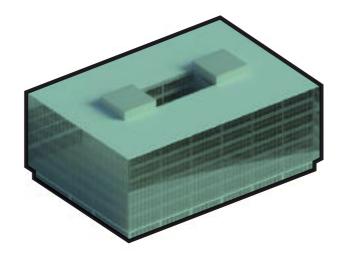
VISDITOR CENTER

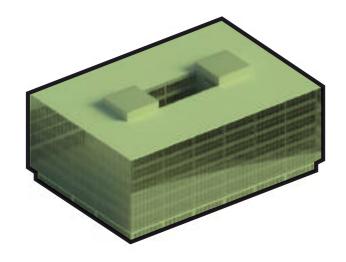
LIBRARY

IMMIGRATION CENTER









LIBRARY

ARCHIVE

COURIER
AND POST

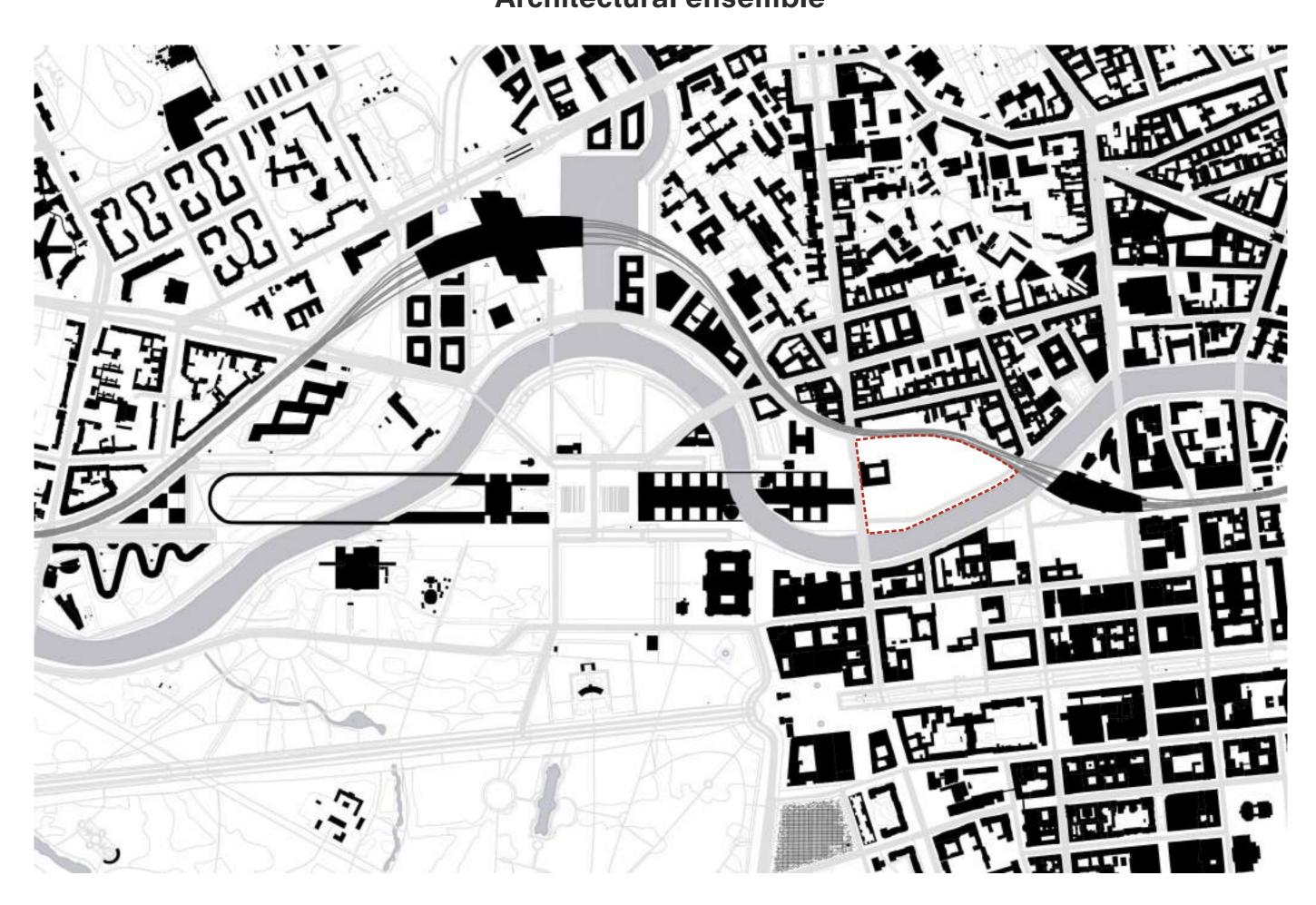
KINDERGARTEN

MINISTRY OFFICES

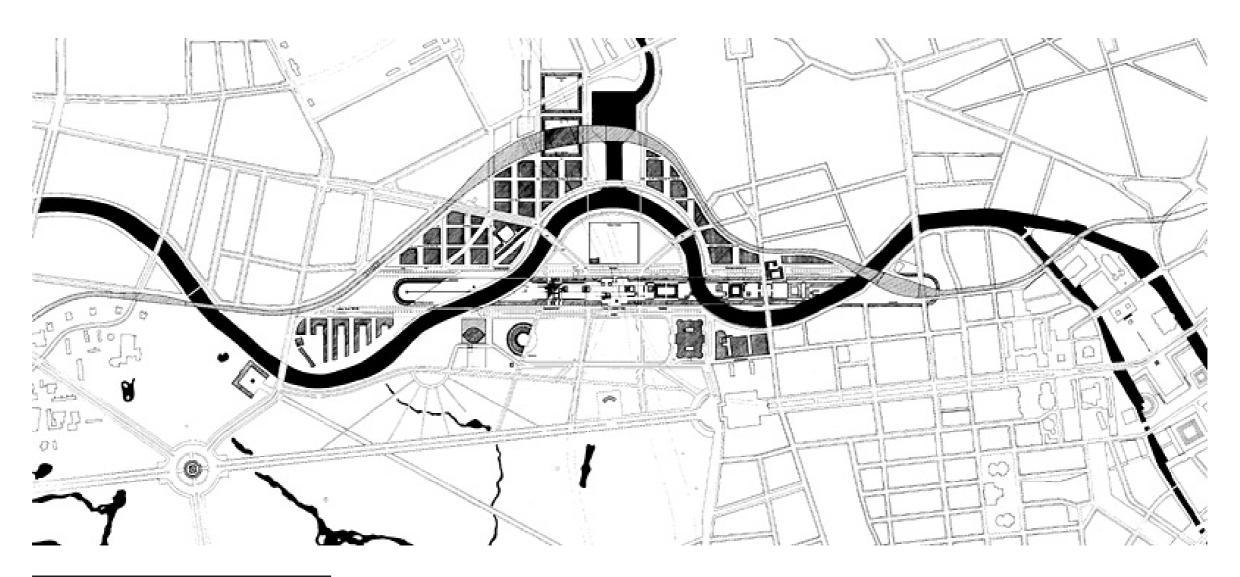
MINISTRY
DEPARTMENTS INTERNATIONAL CONFERENCE
VISDITOR CENTER

IMMIGRATION CENTER

Concept **Architectural ensemble**

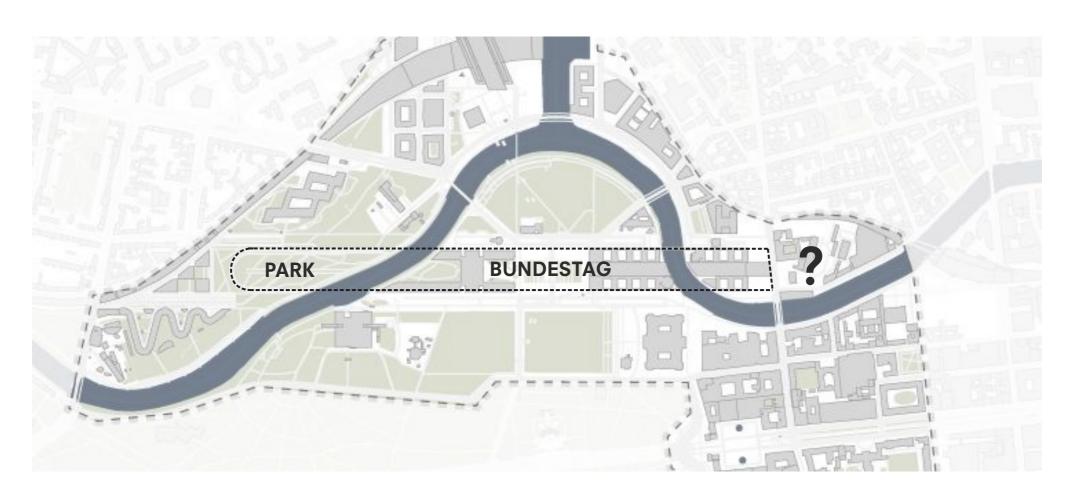


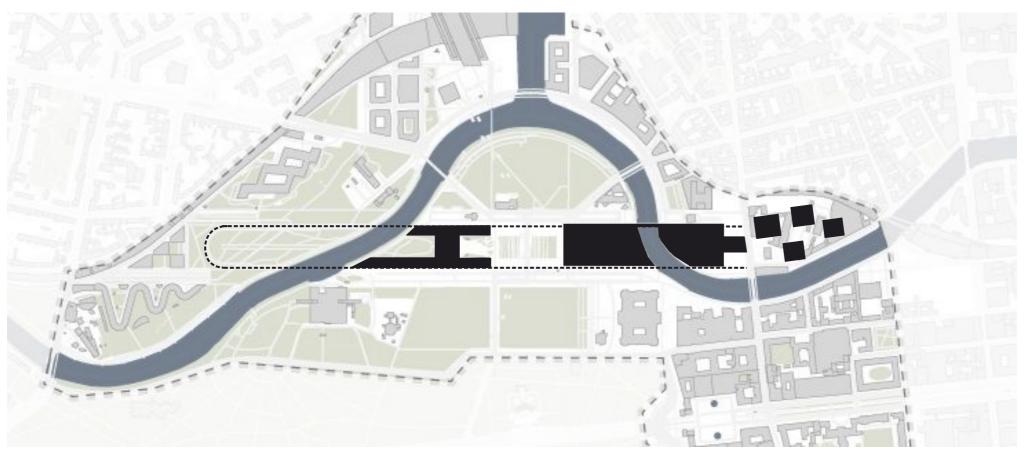
Architectural ensemble

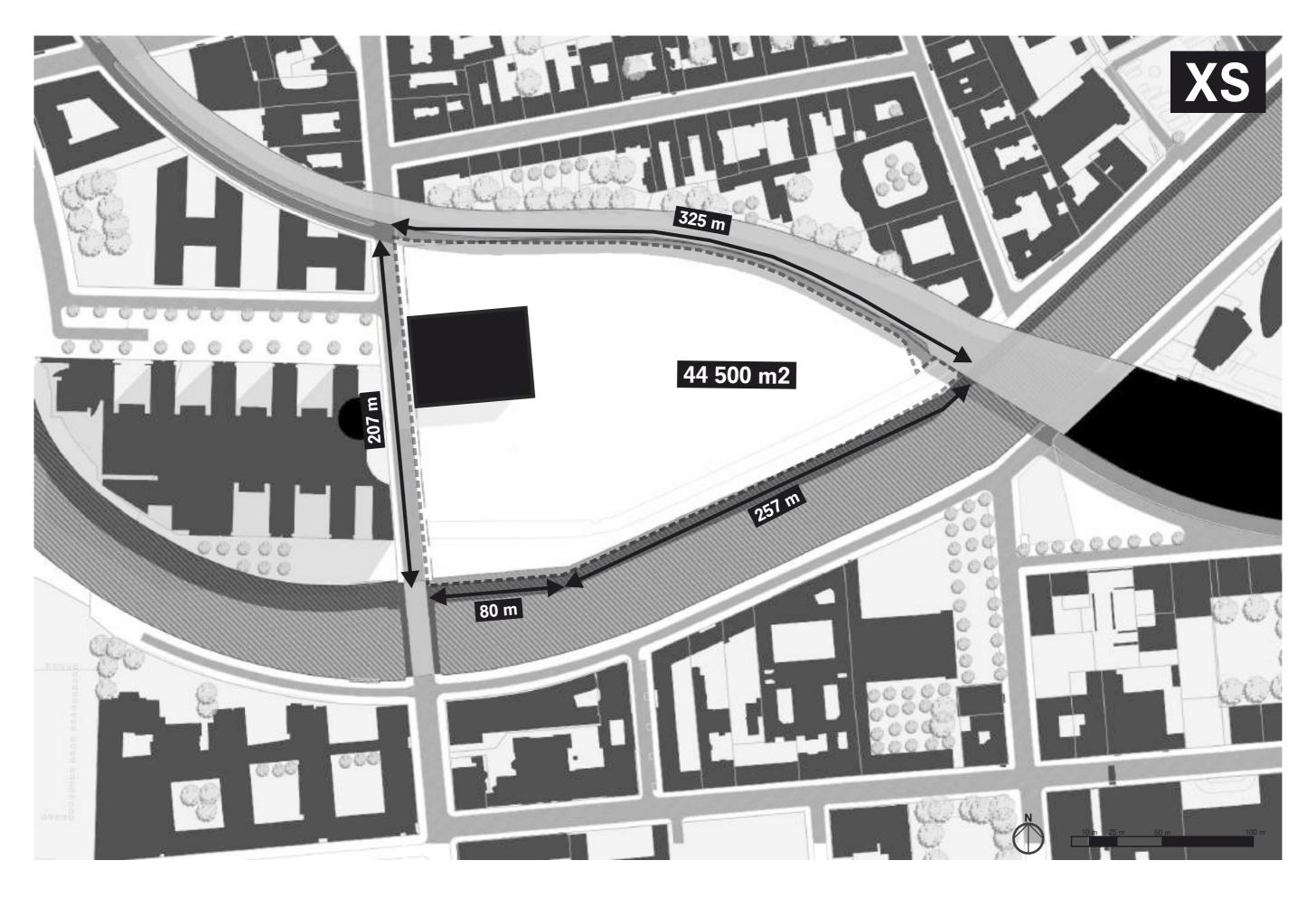


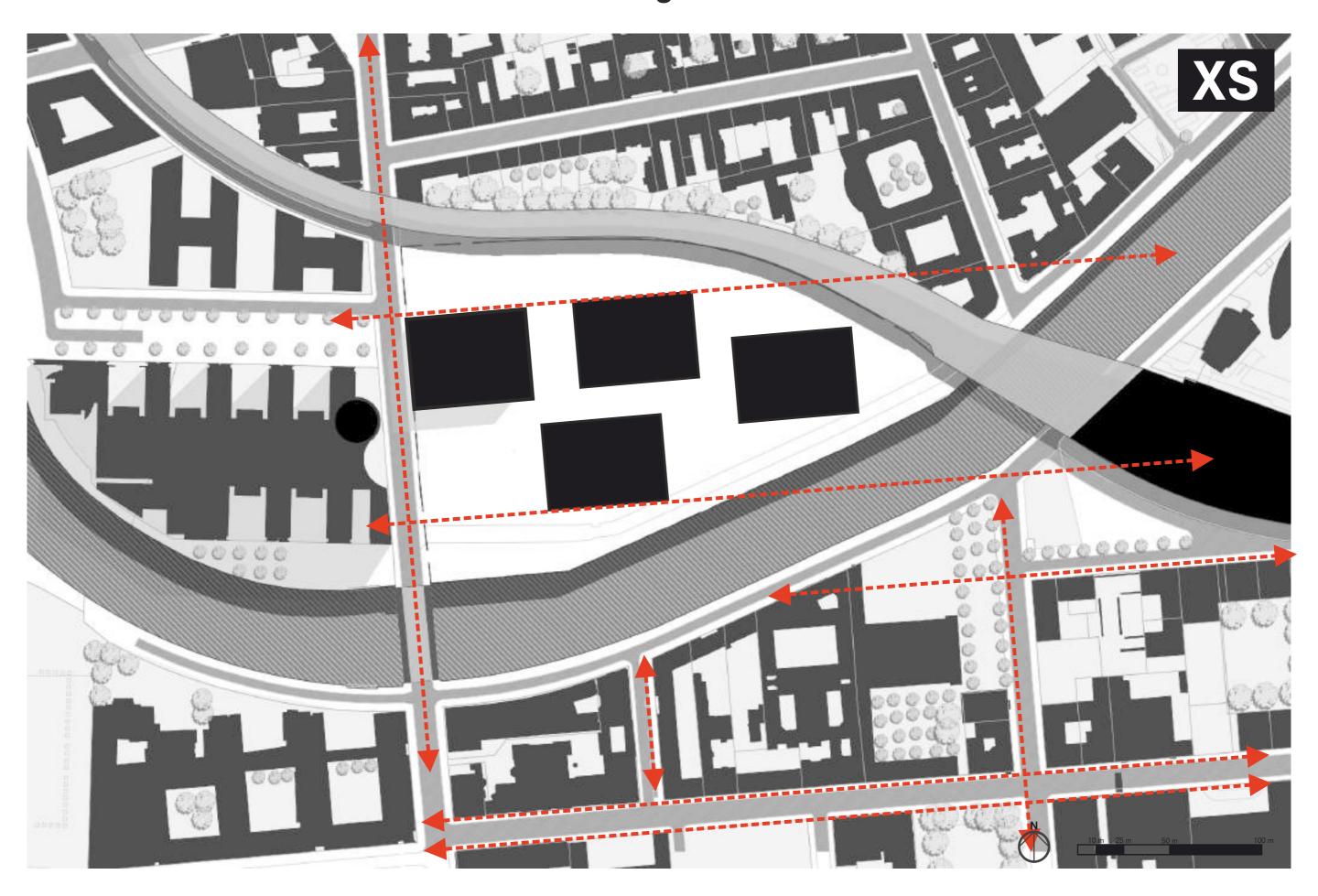
1993 - the "Band des Bundes" designed by A. Schultes and Ch.Frank

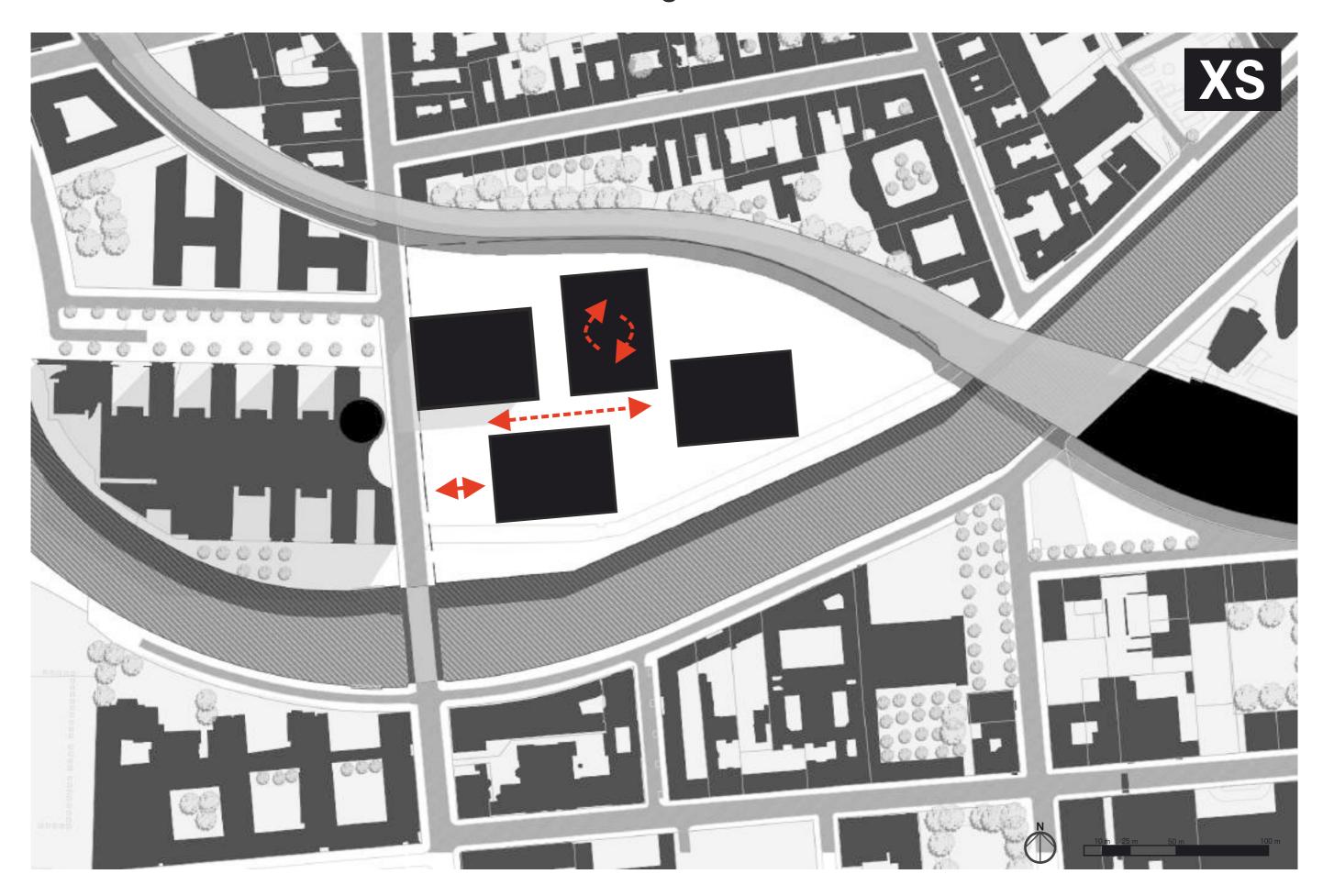
Concept Architectural ensemble





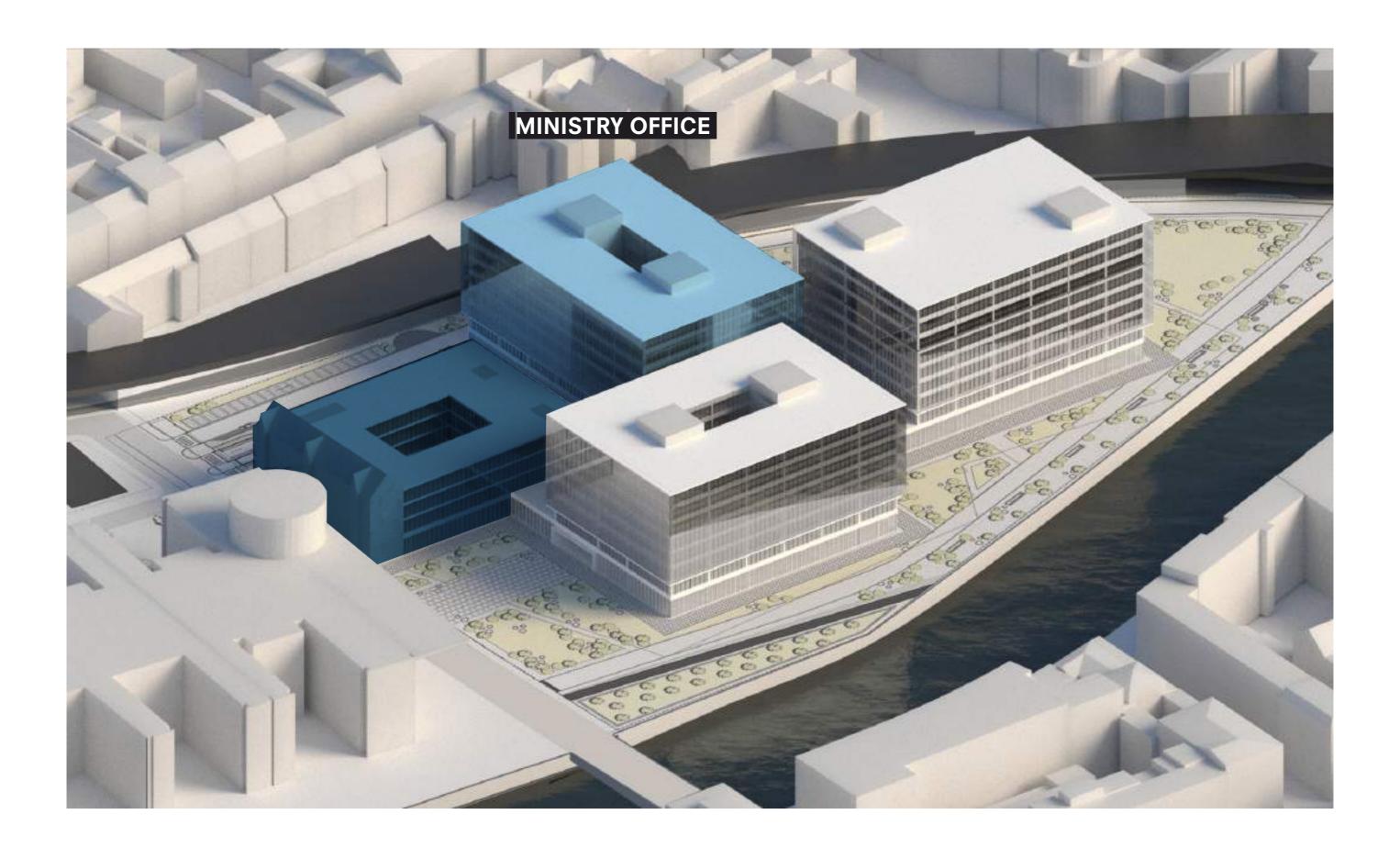


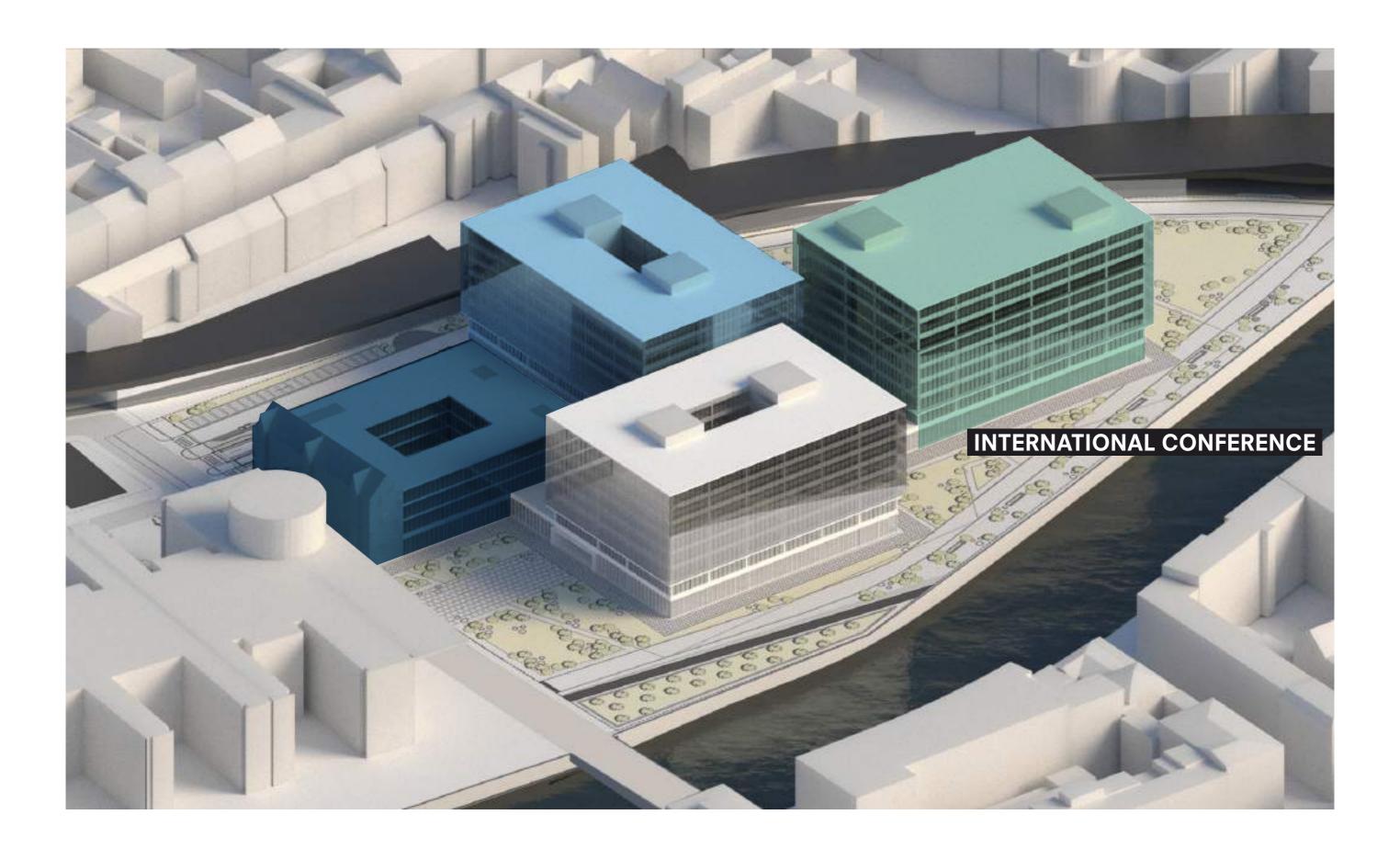


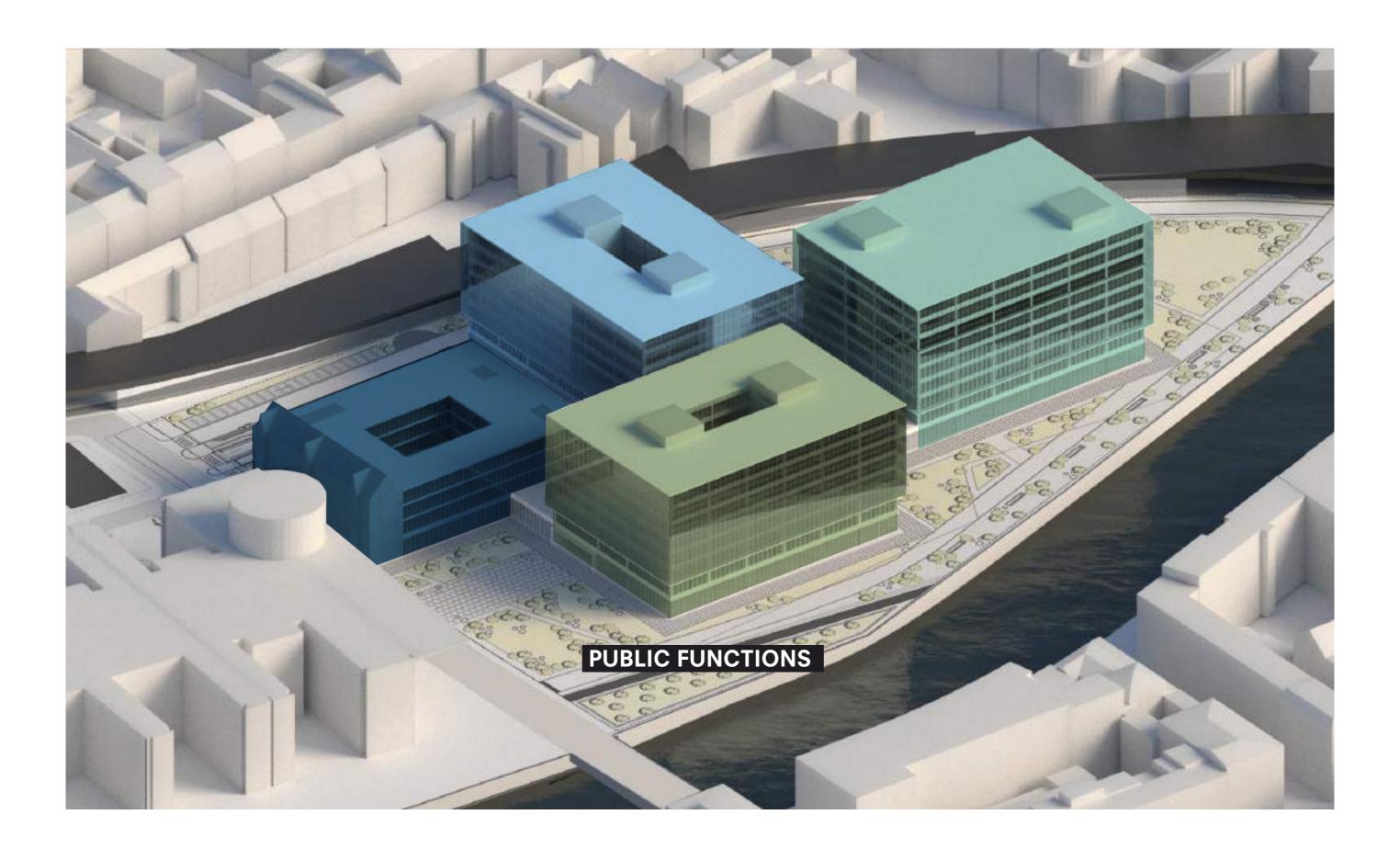




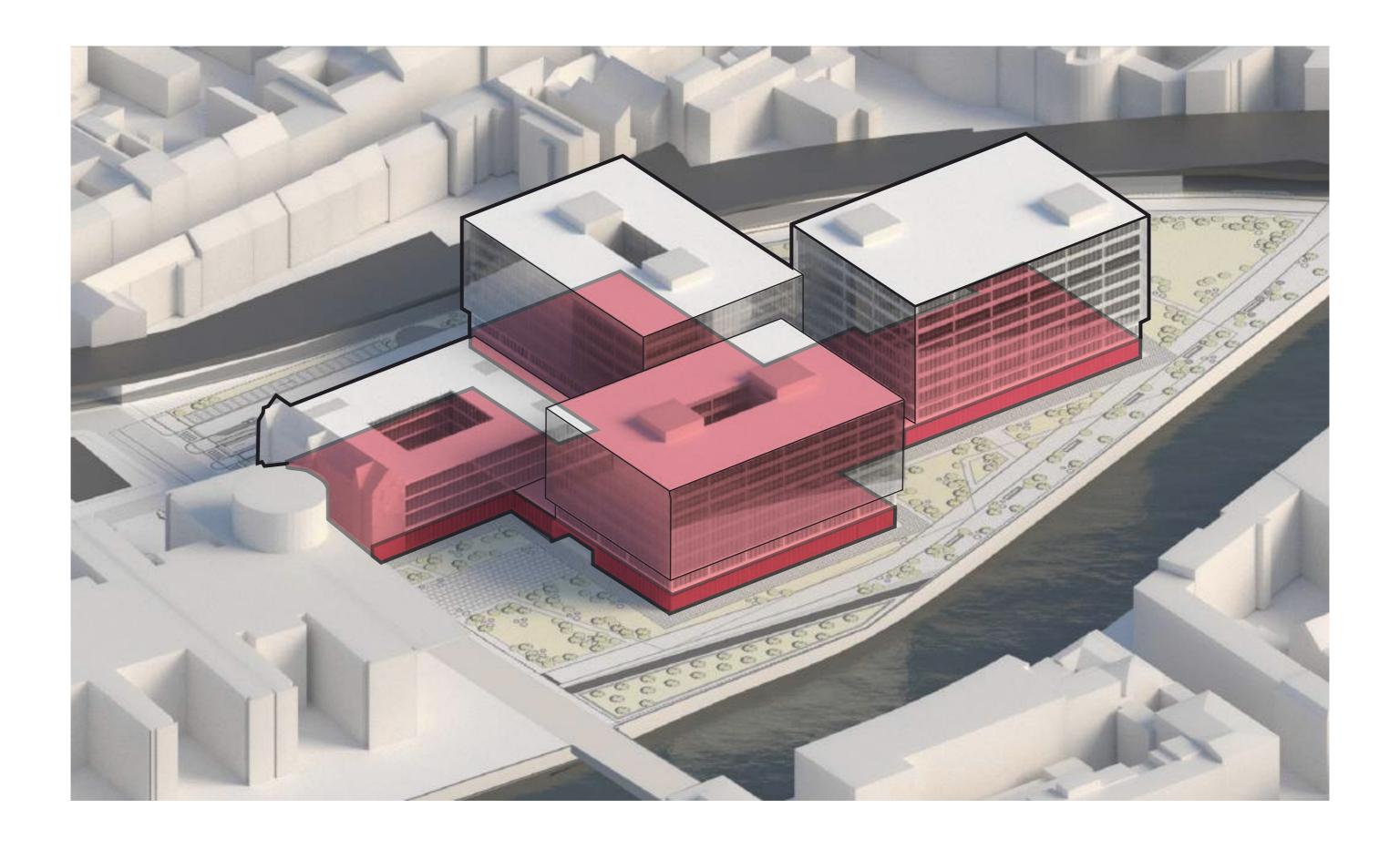




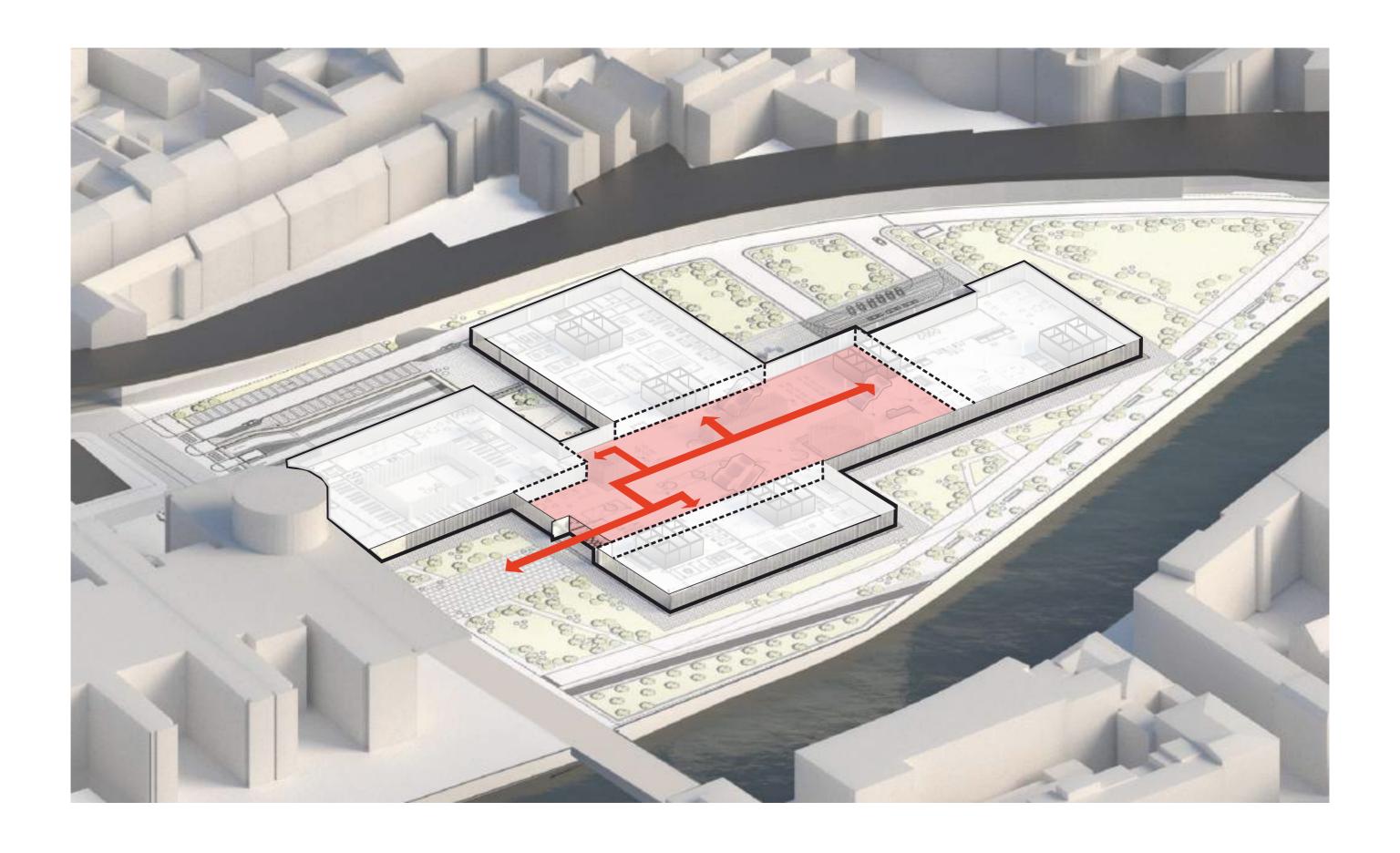




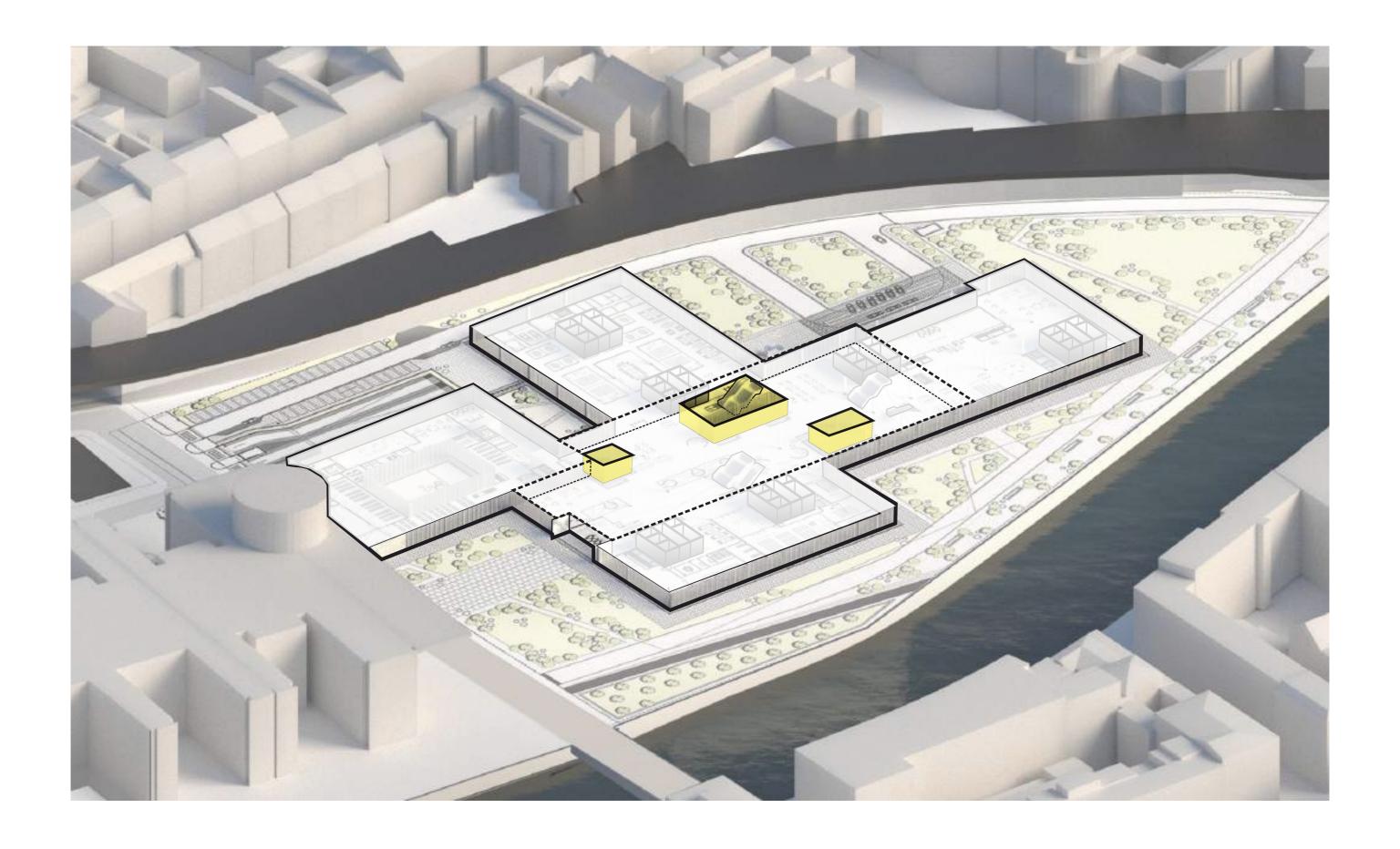
Podium



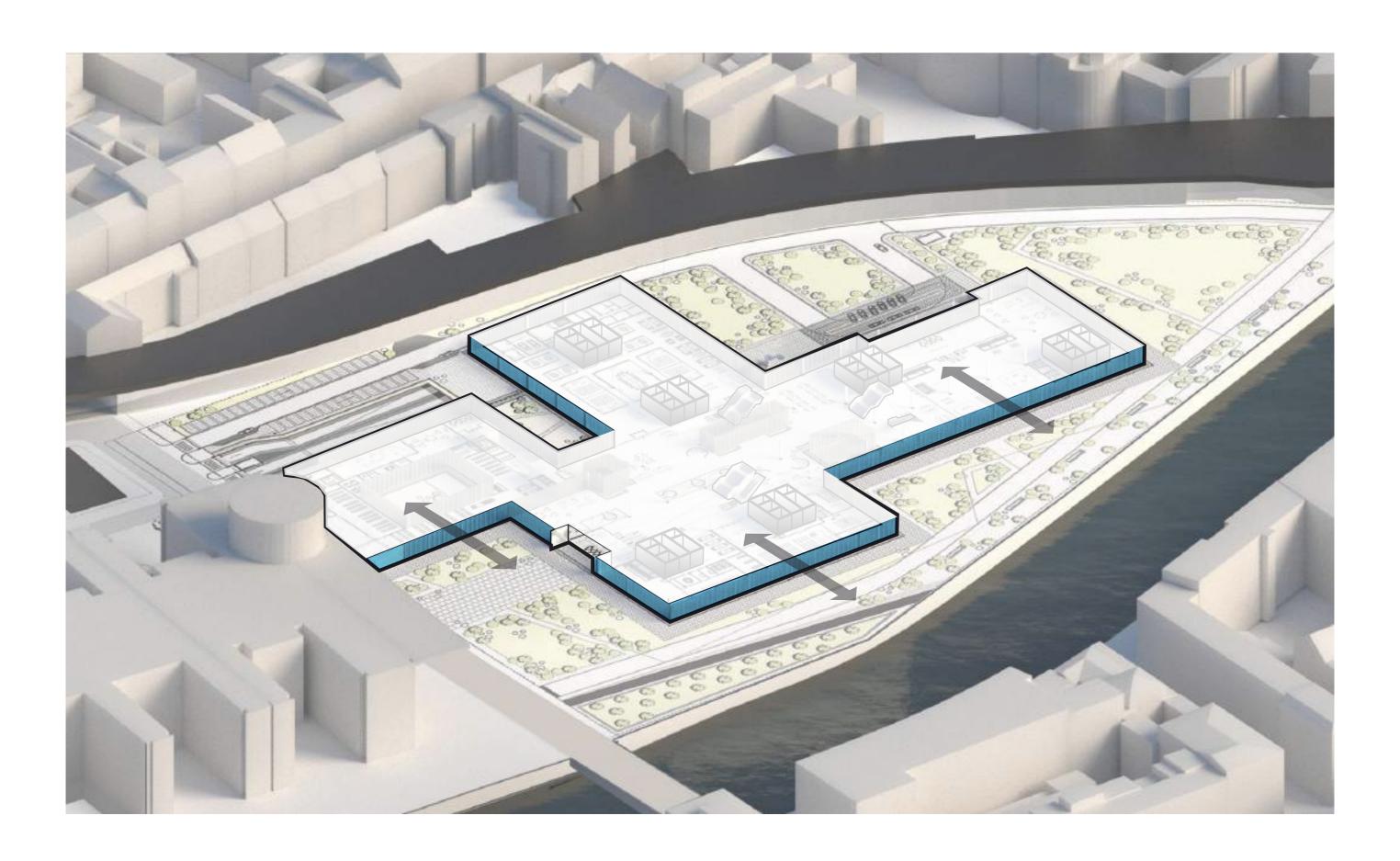
Podium



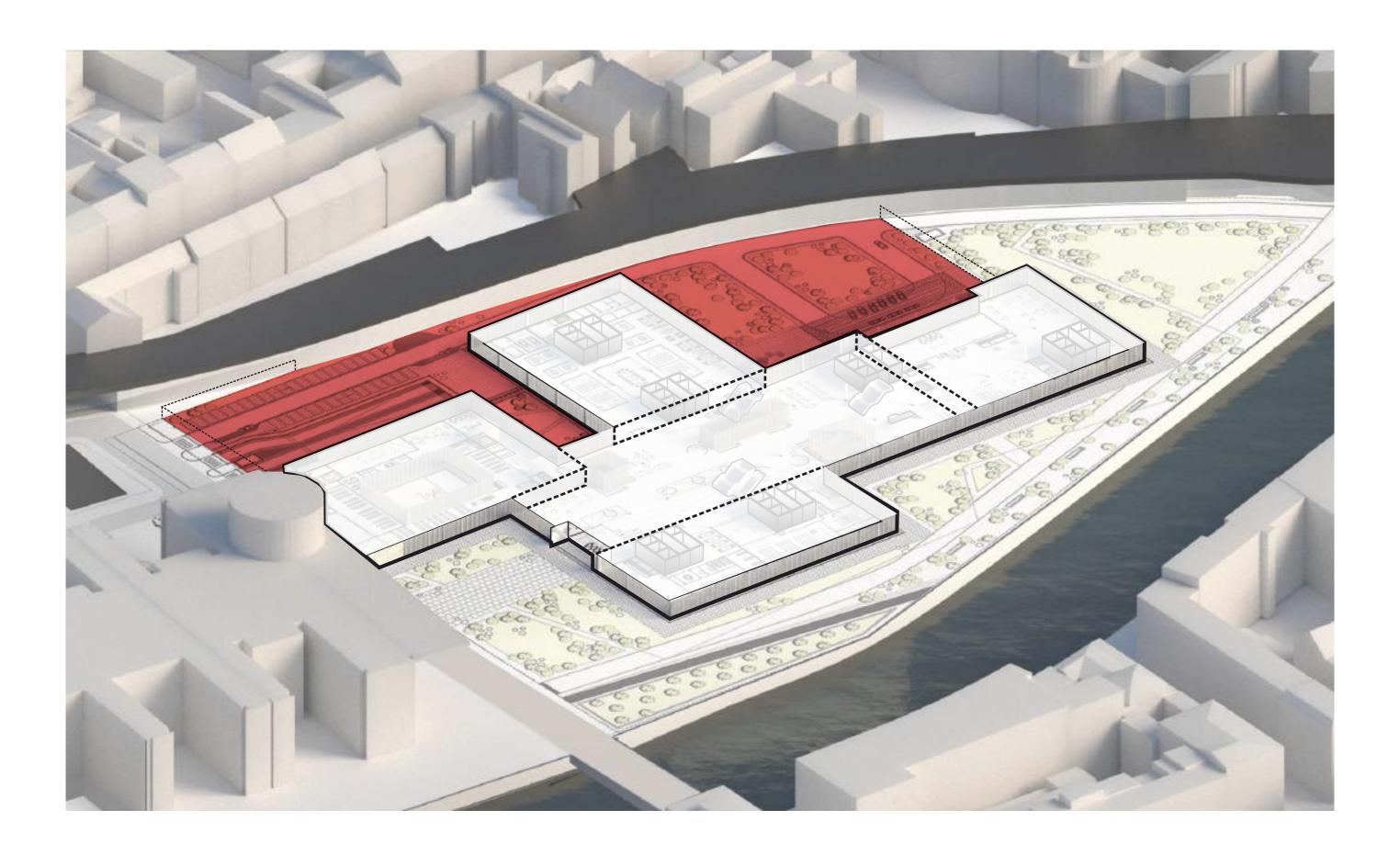
Patio



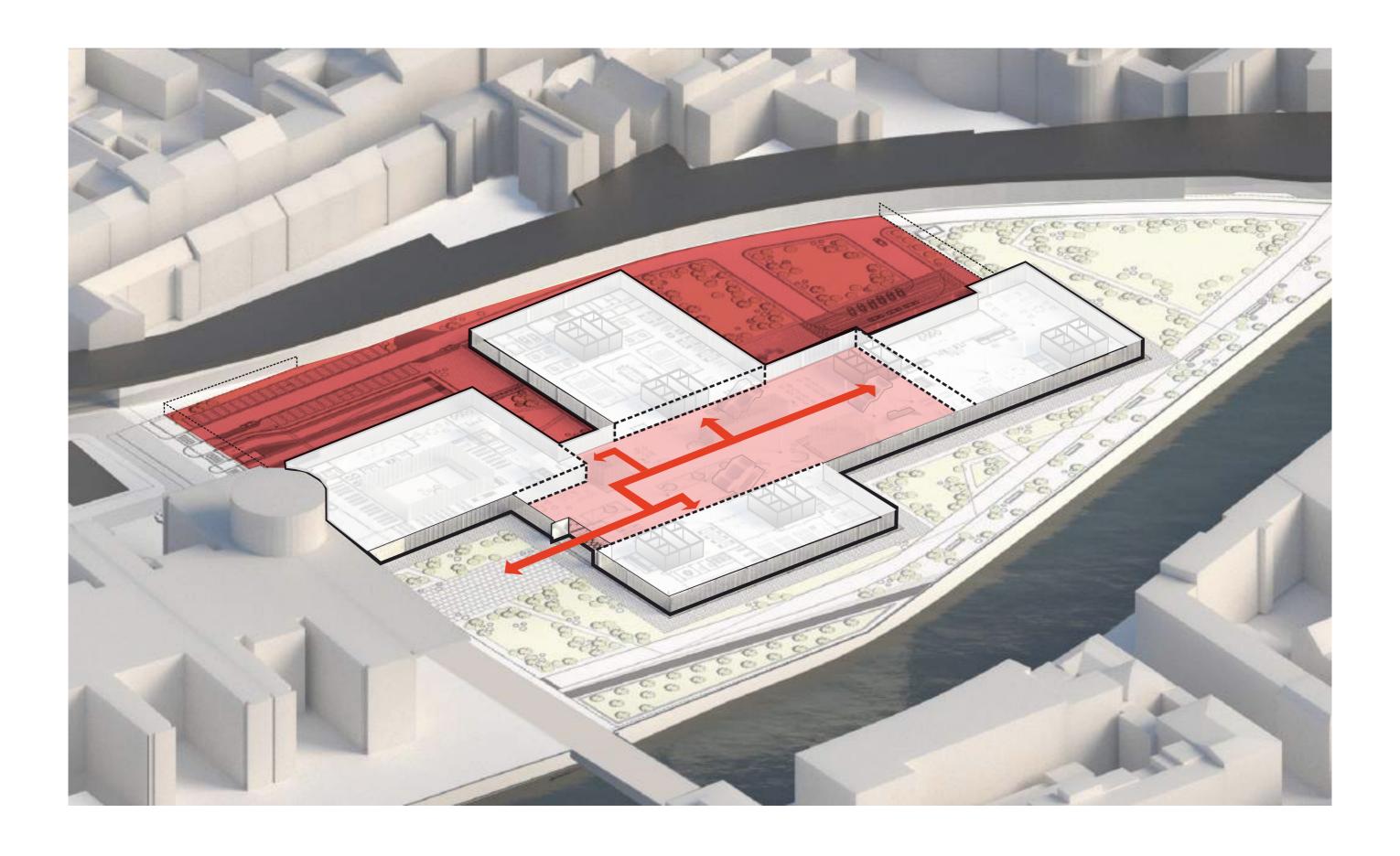
Transparent facade



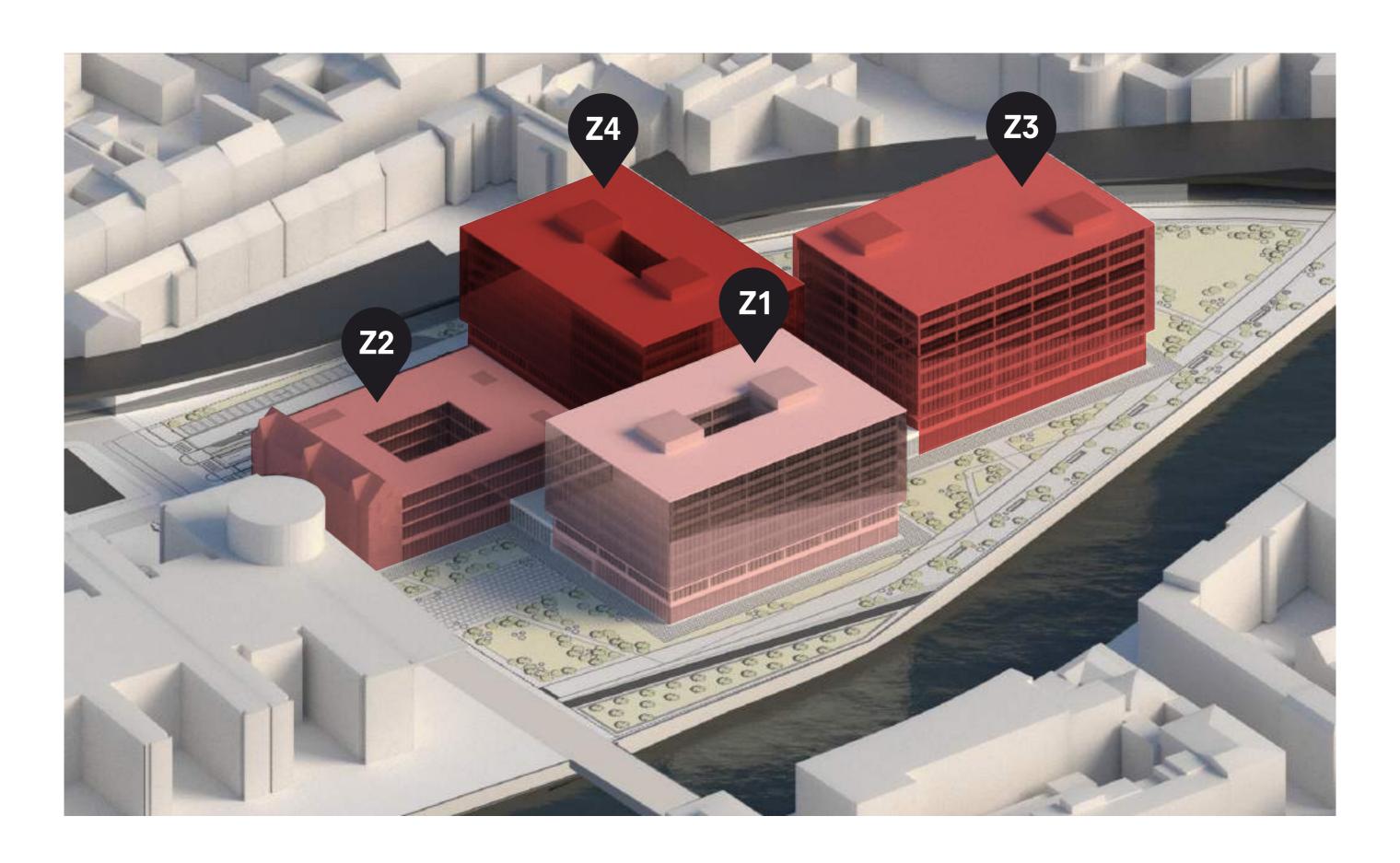
Concept **Security**



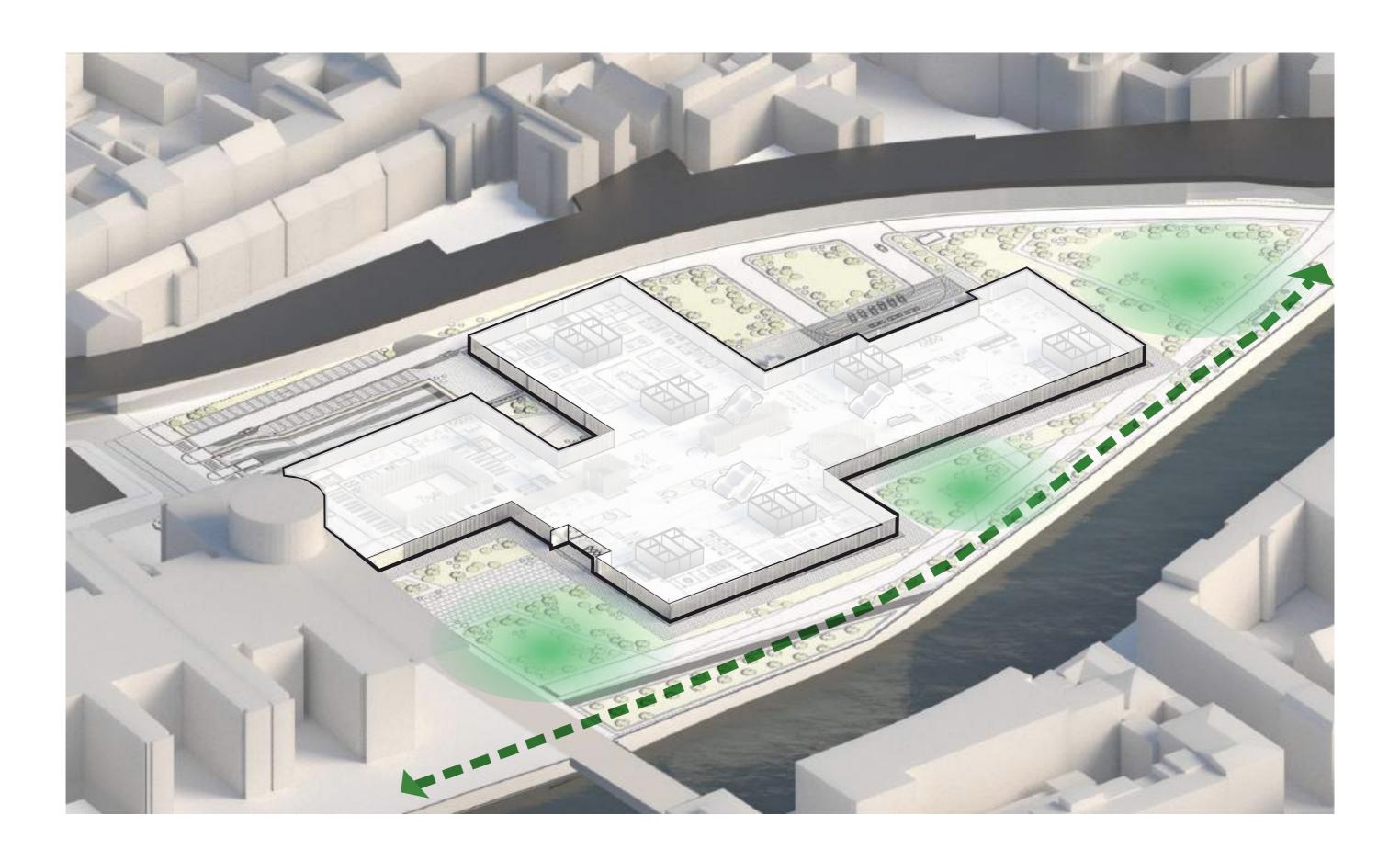
Concept **Security**



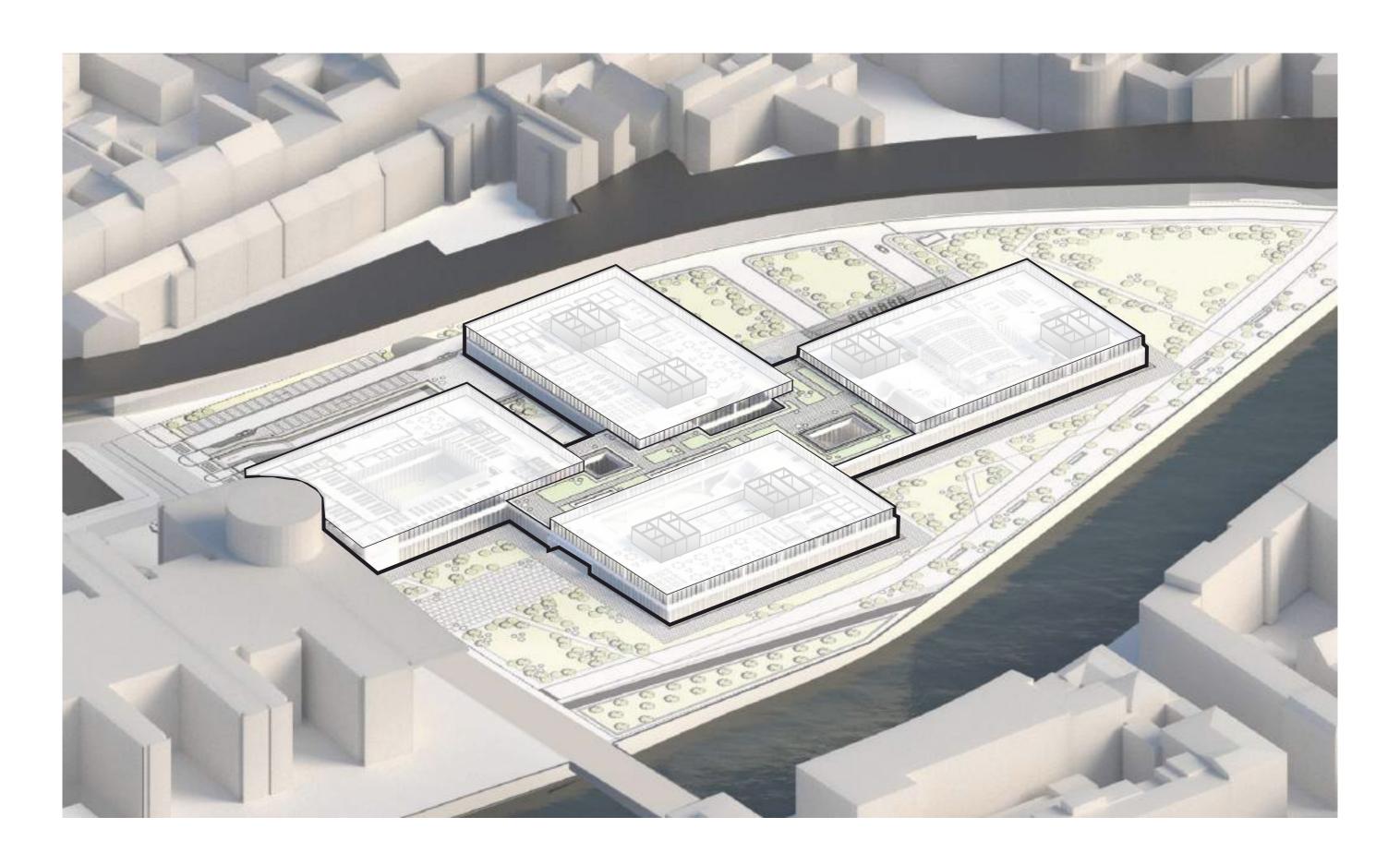
Security zones



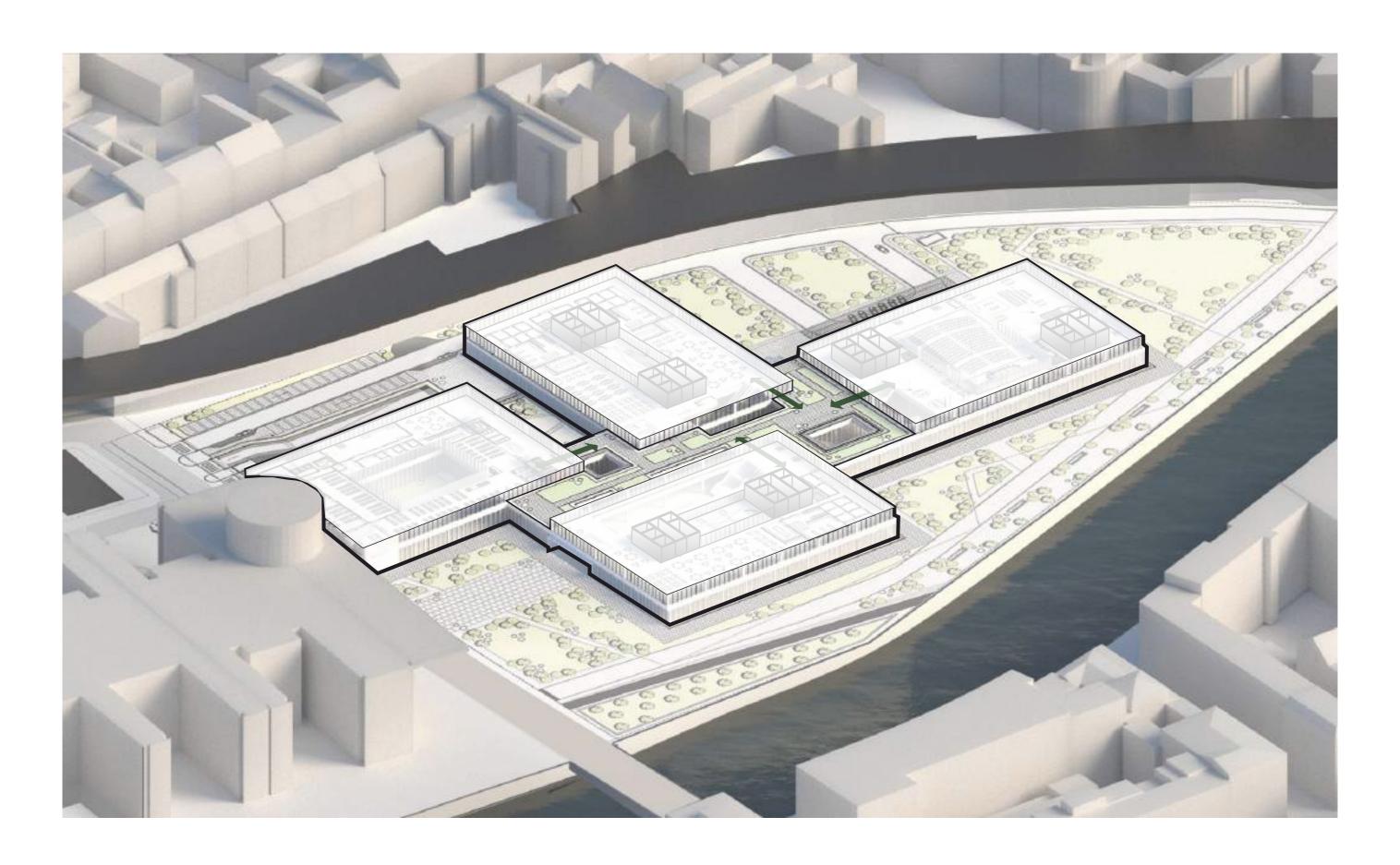
Outdoor public space



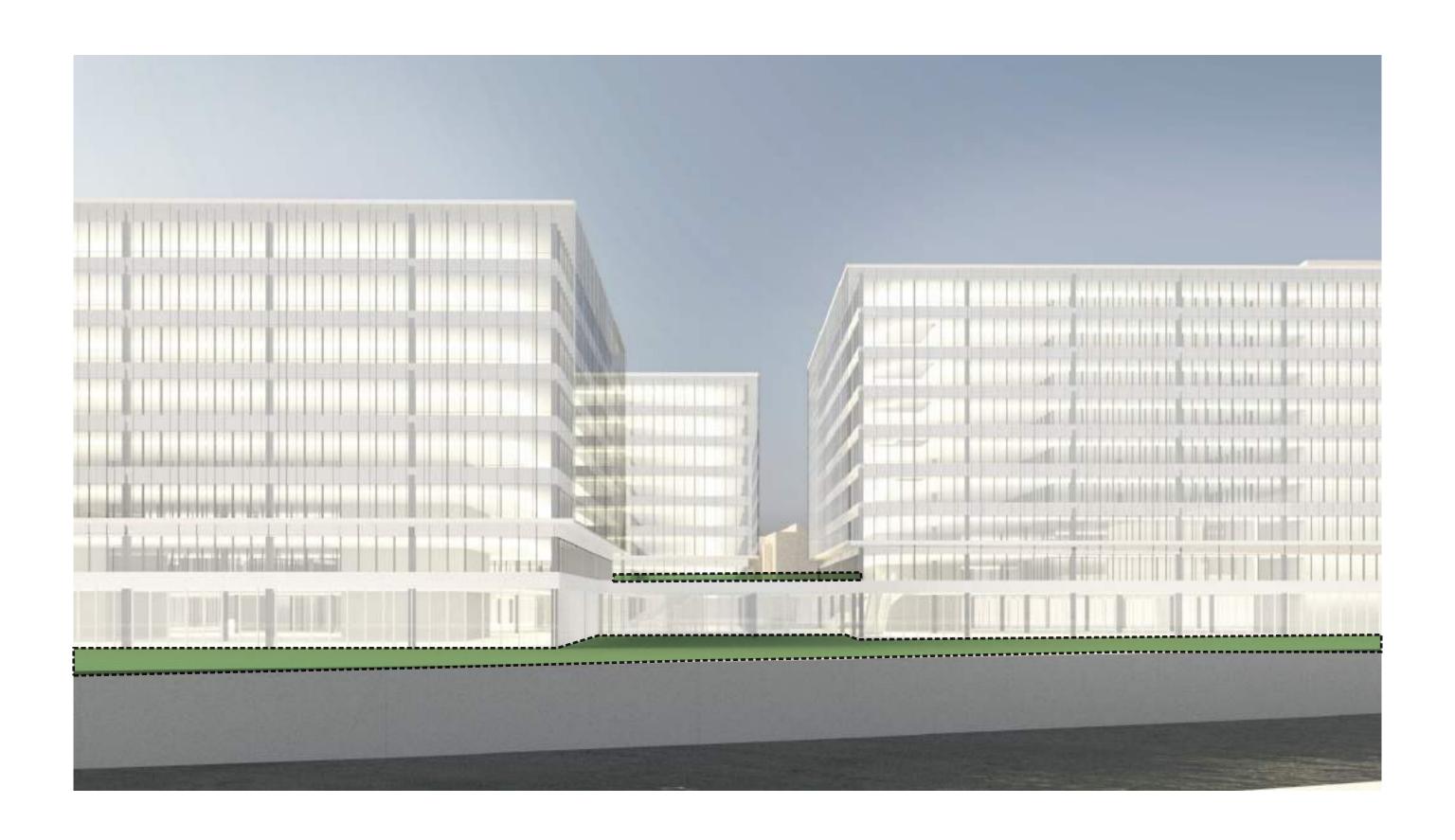
Outdoor private space



Outdoor private space



Concept View from the riverbank

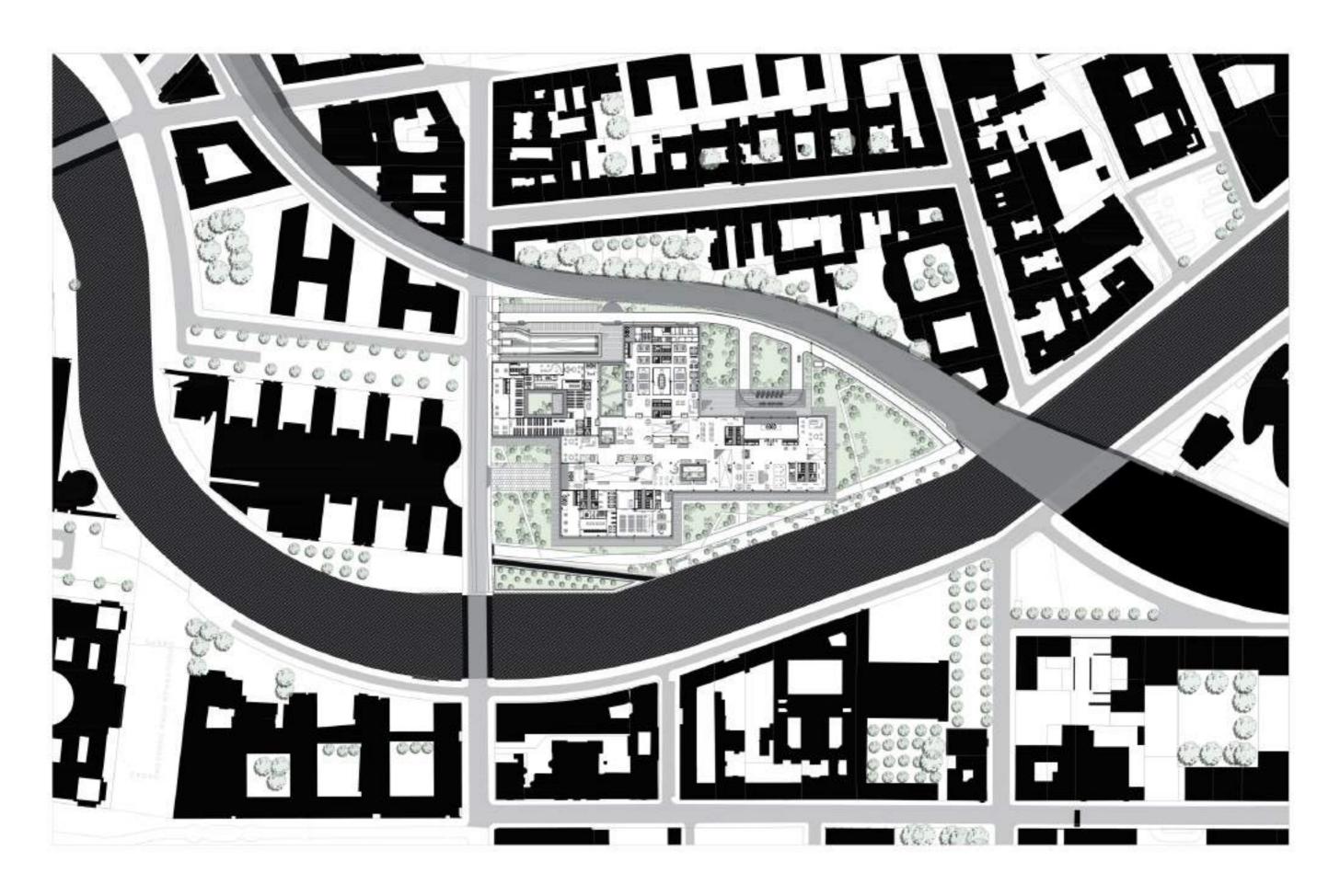


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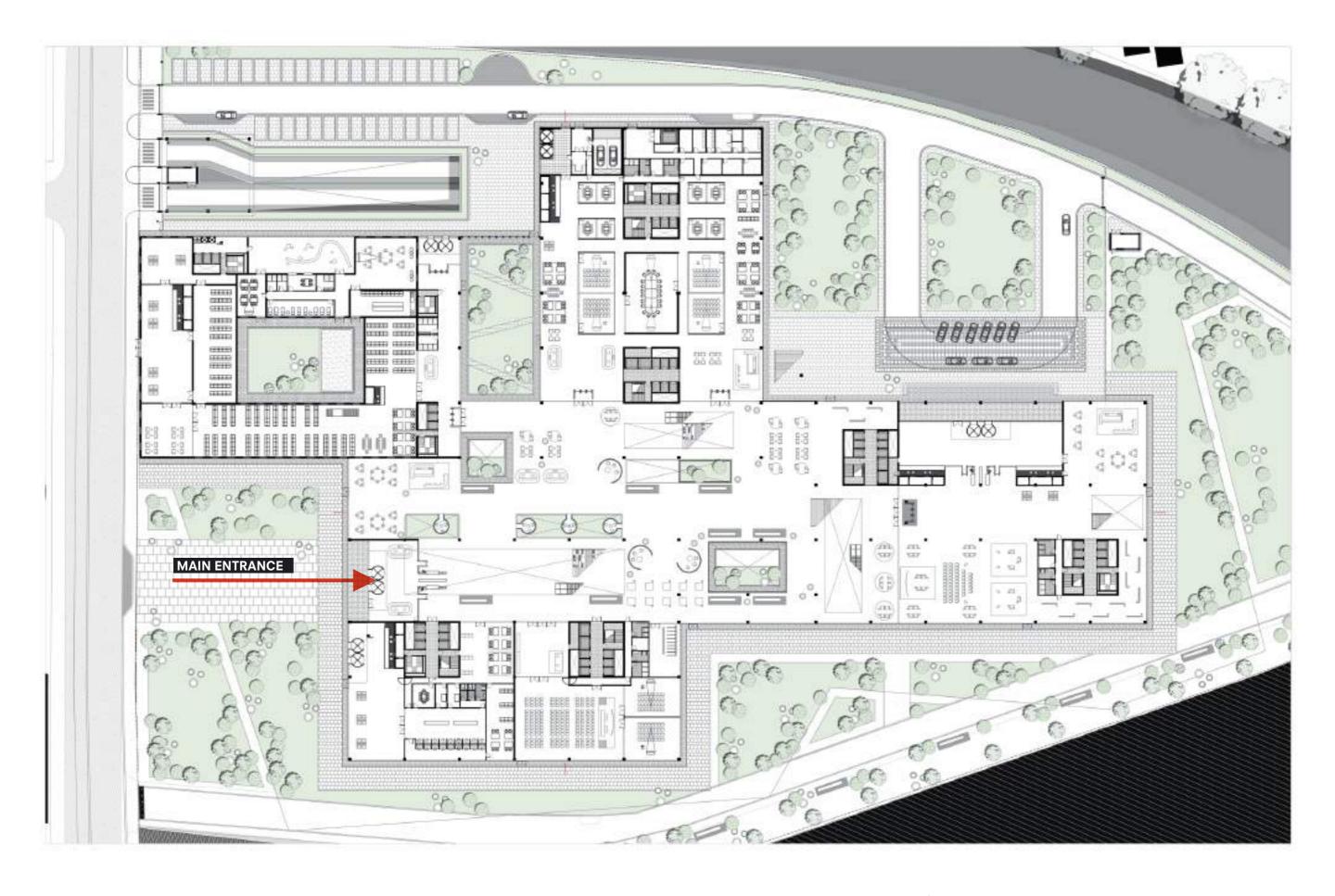
CONCEPT
IMPLEMENTATION
DEVELOPMENT

5. CONCLUSION

Plan 1:2000



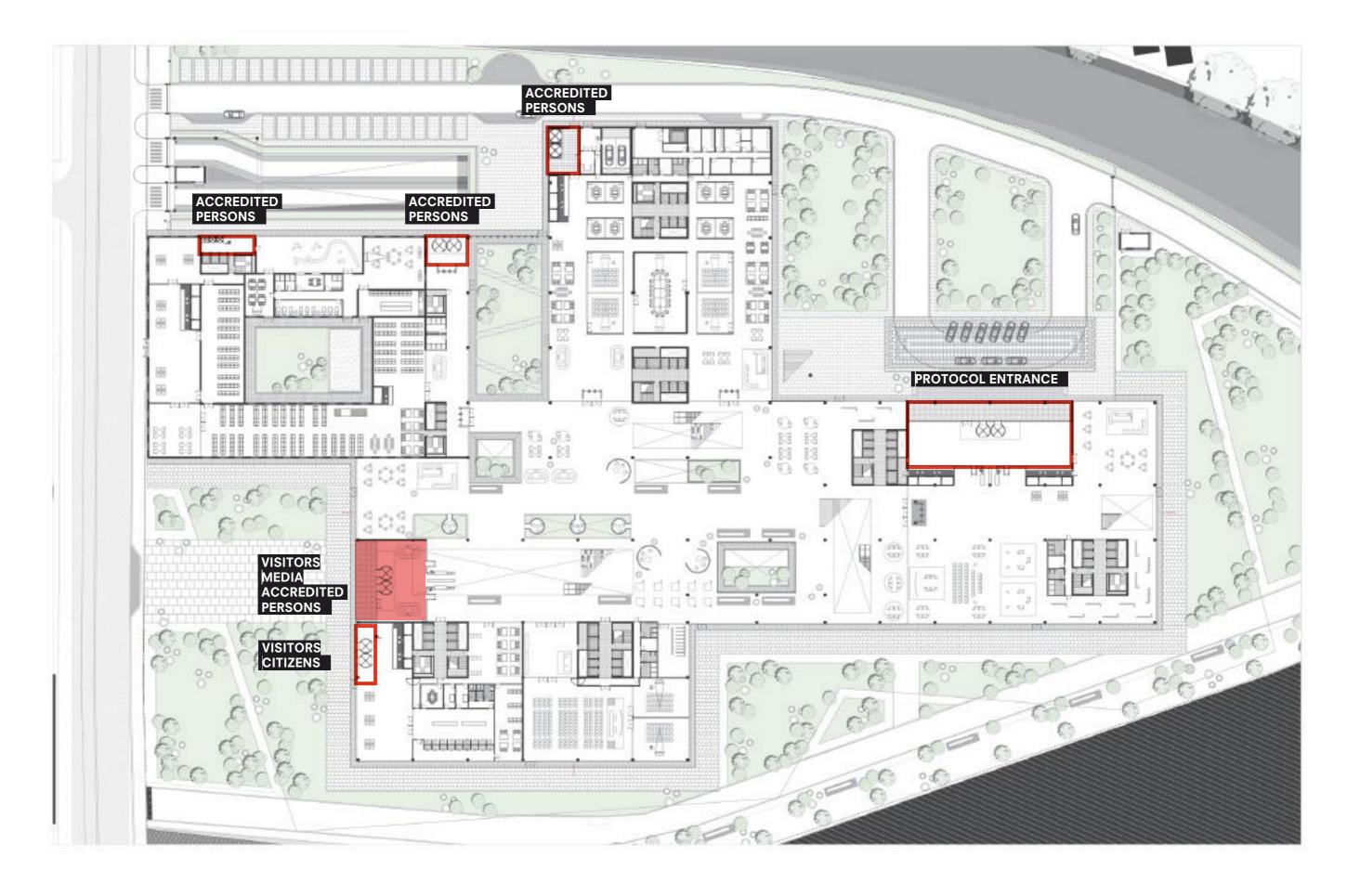
Entrance



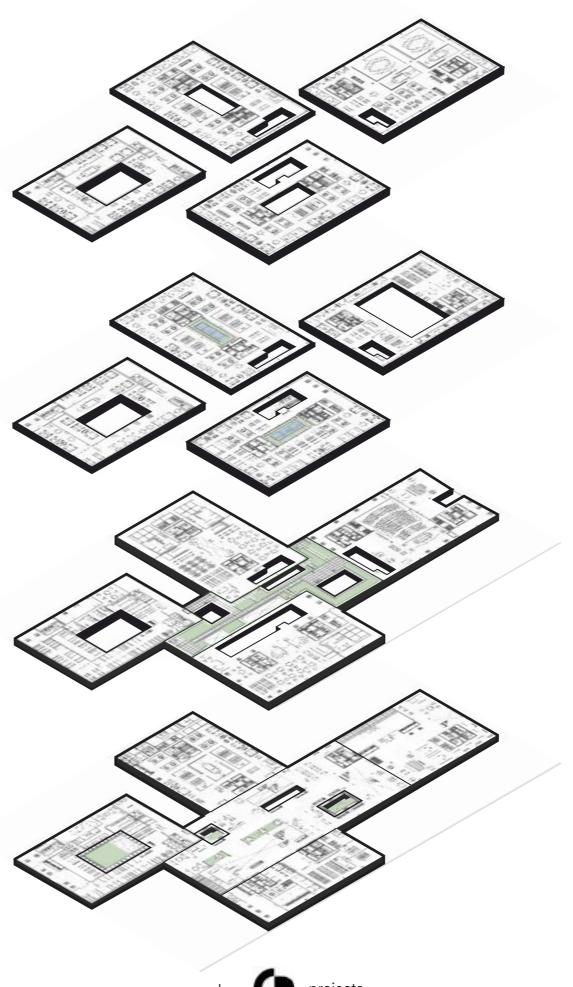
Entrance



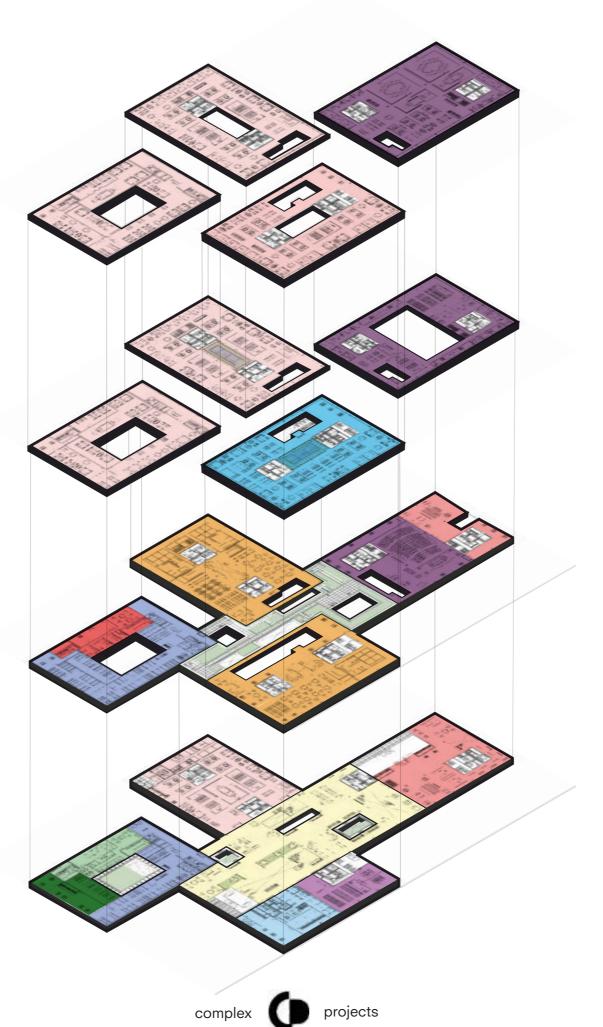
Accessibility



Floor plans relation



Program



- POST

- CATERING

- INTERNATIONAL CONFERENCE

- APARTMENTS

- PROTOCOL

- MINISTRY

- KINDERGARTEN

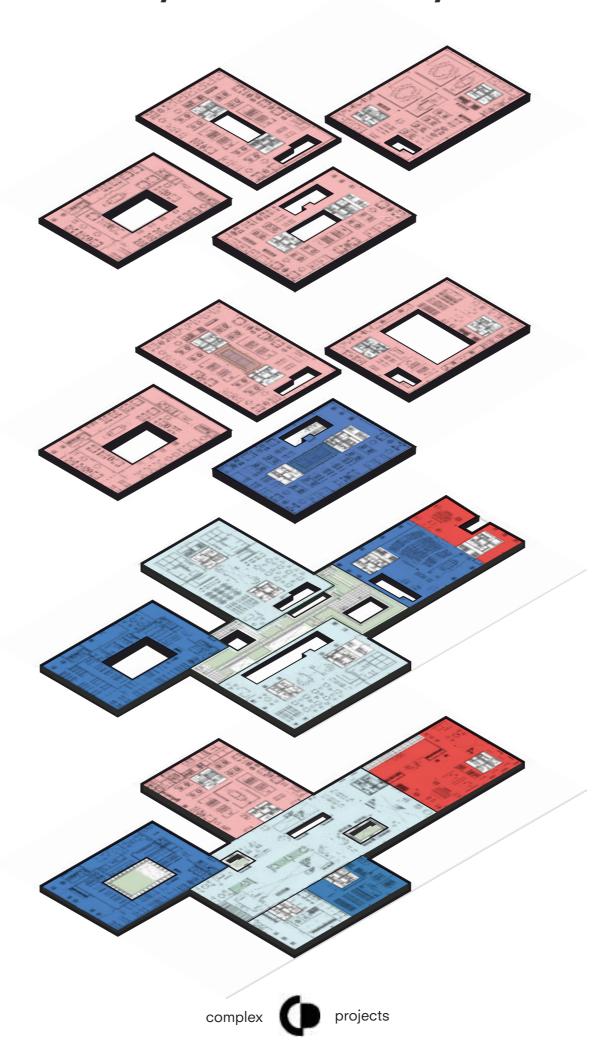
- ARCHIVE

- CENTRAL HALL

- IMMIGRATION

- MEDIA ZONE / CONFERENCE

Security and accessibility zones



Security and accessibility zones











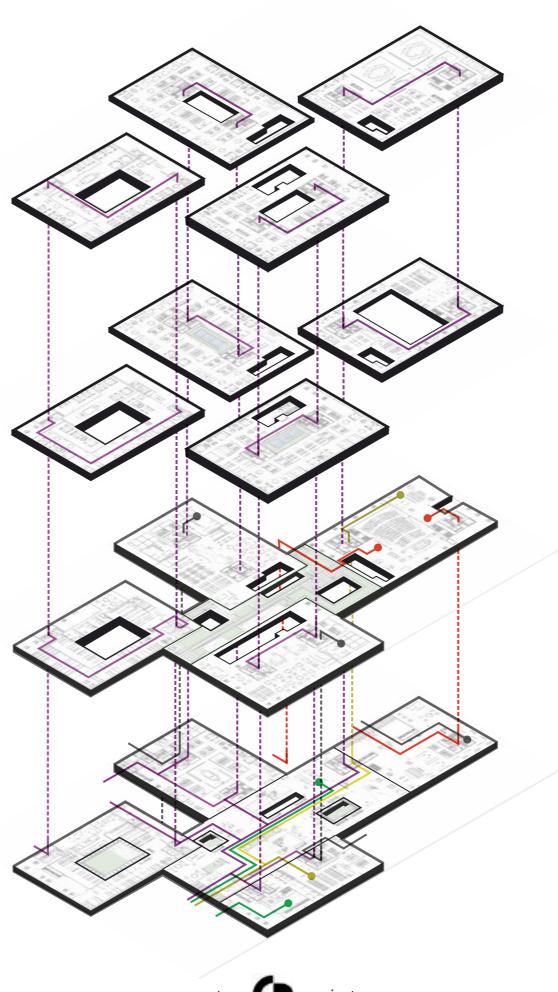
ZONE 1

ZONE 2

ZONE 3

ZONE 4

Circulation division



- LOGISTICS

- VISITORS / CITIZENS

- MEDIA

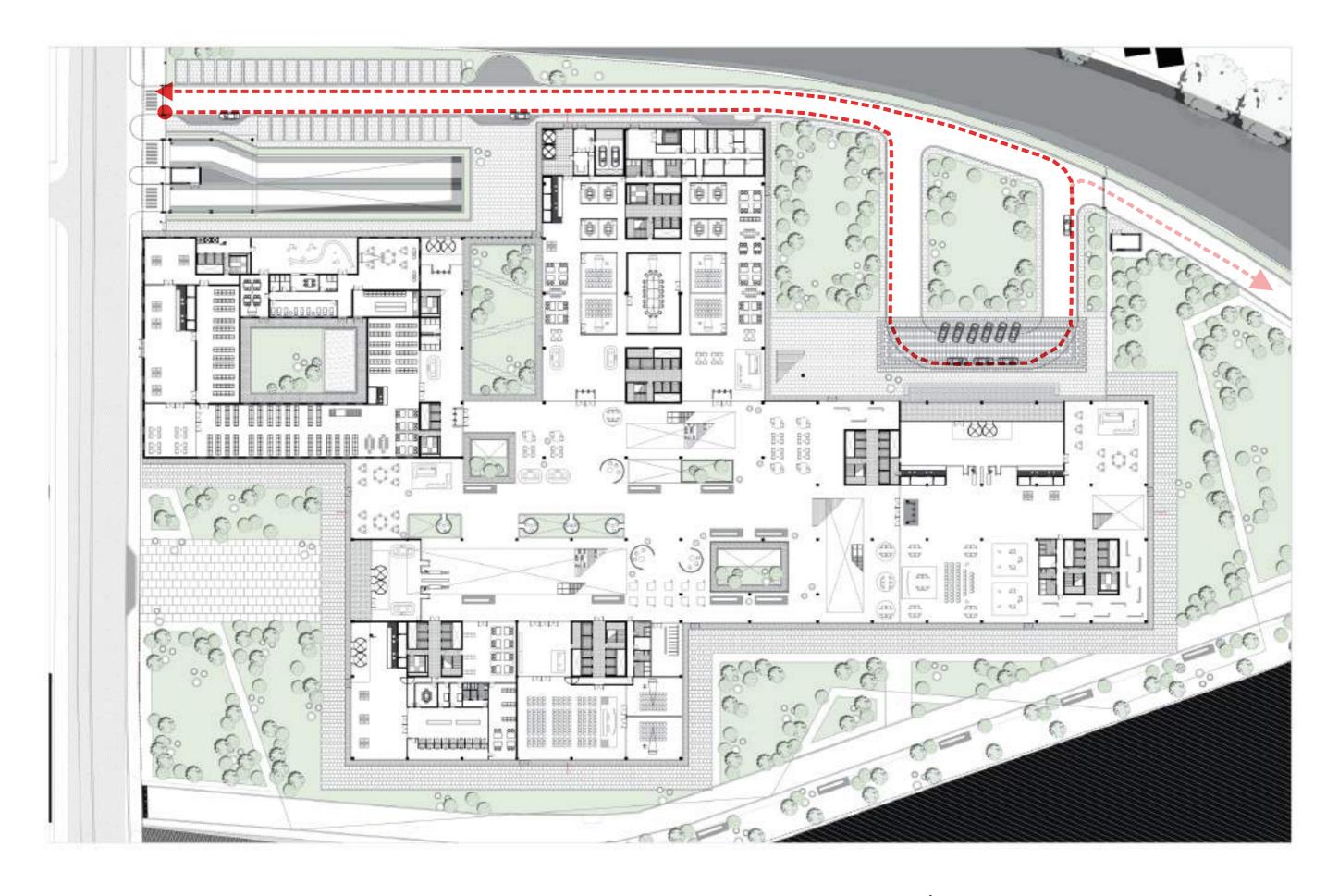
- PROTOCOL

Protocol

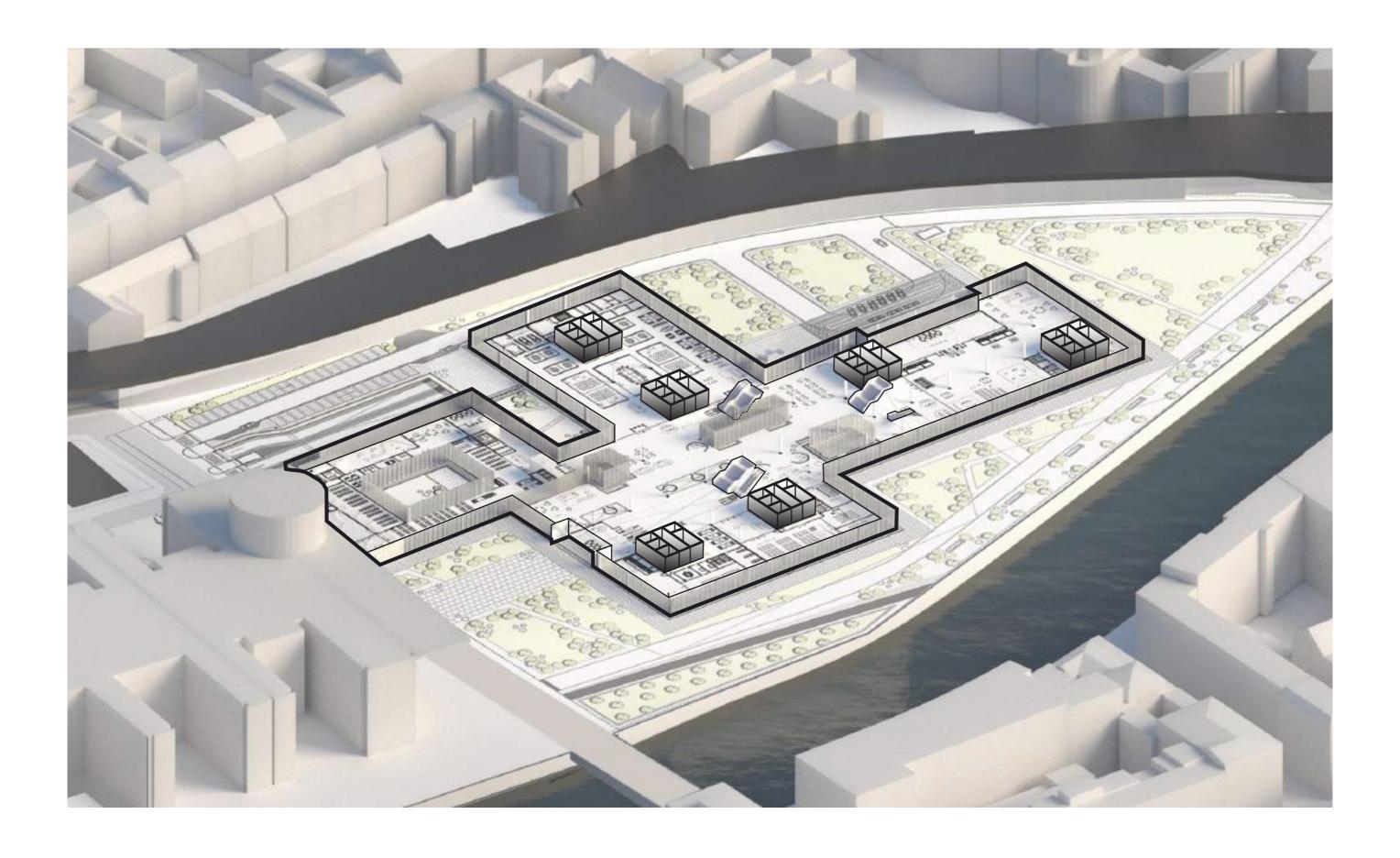




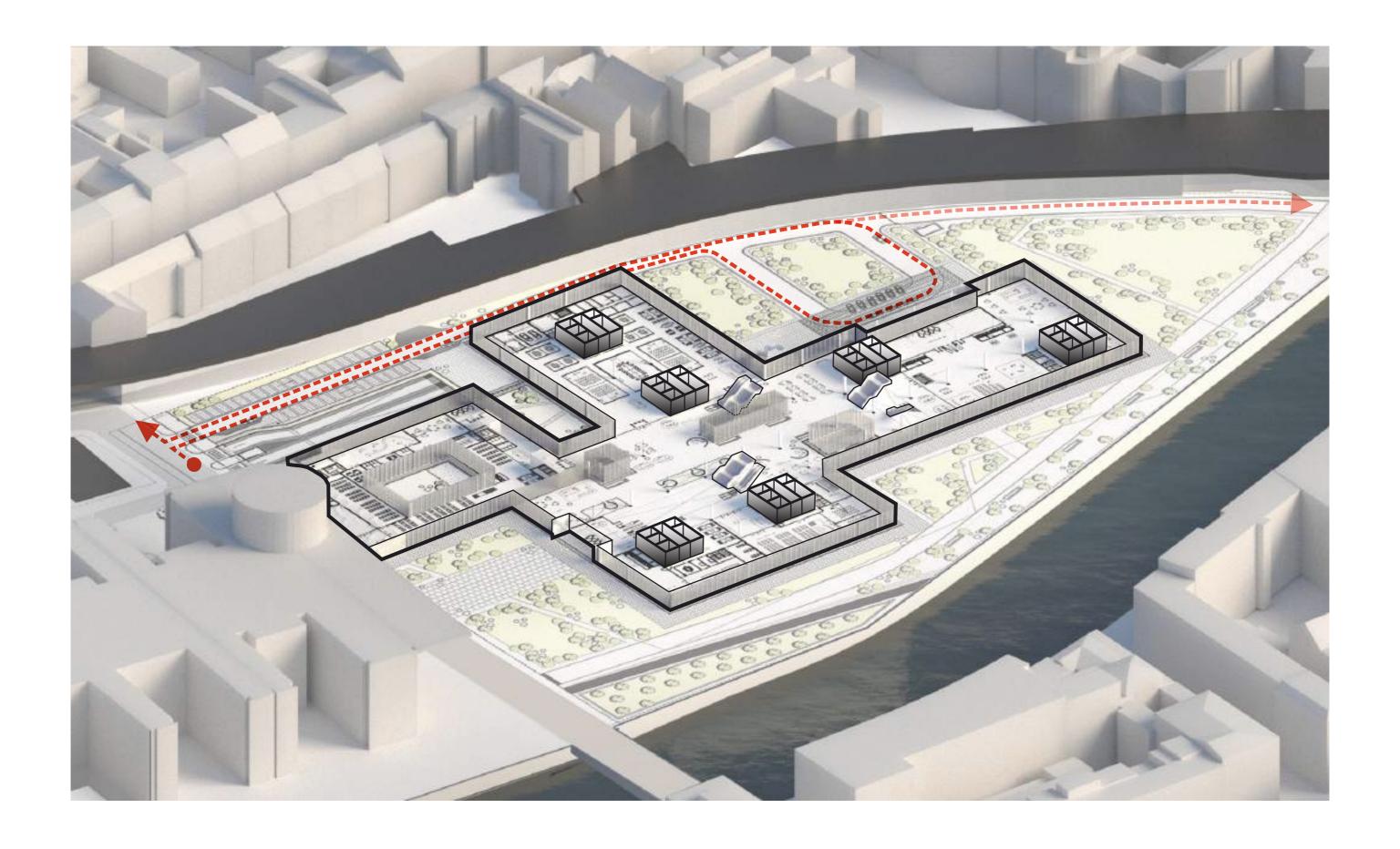
Protocol vihicle

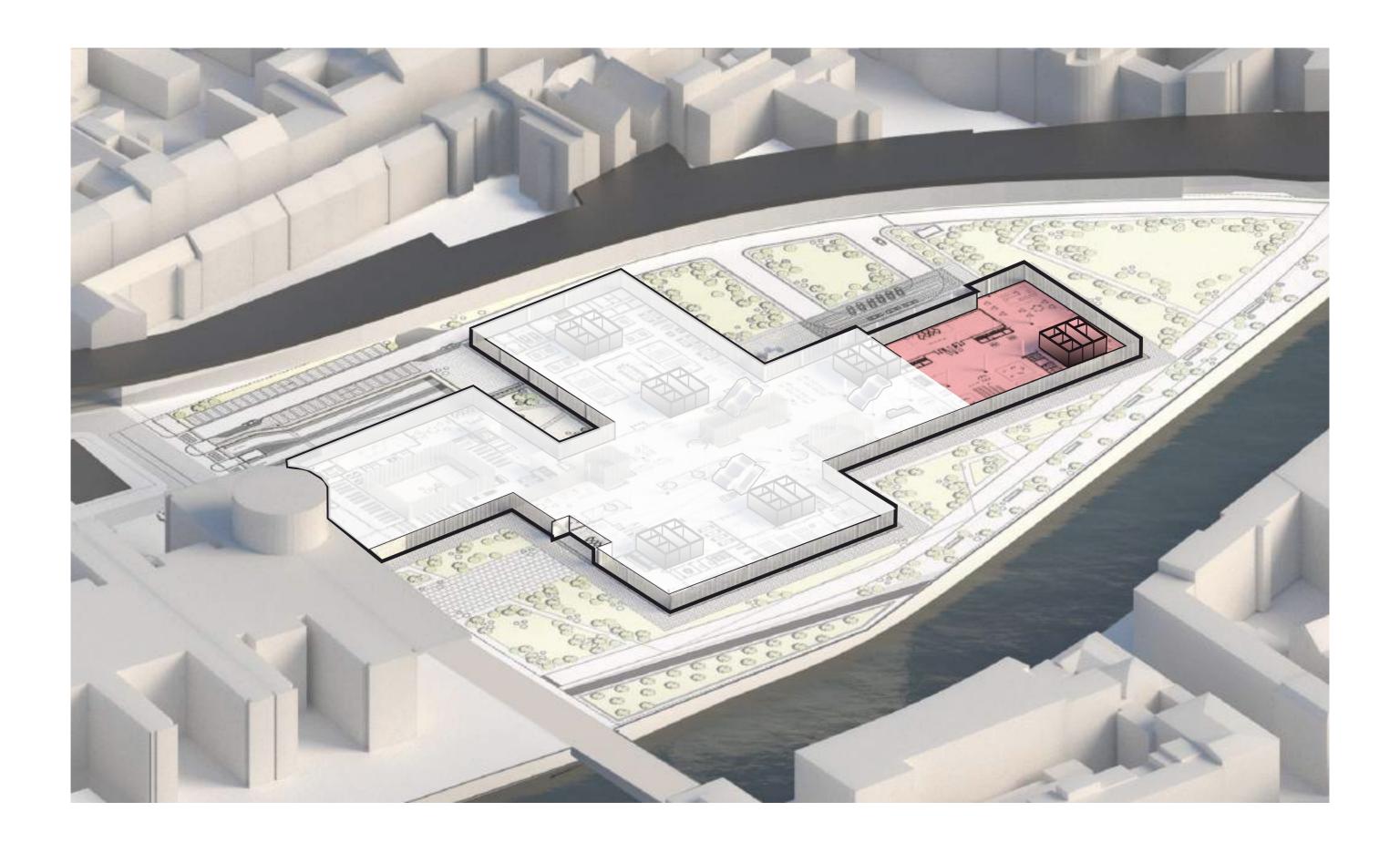


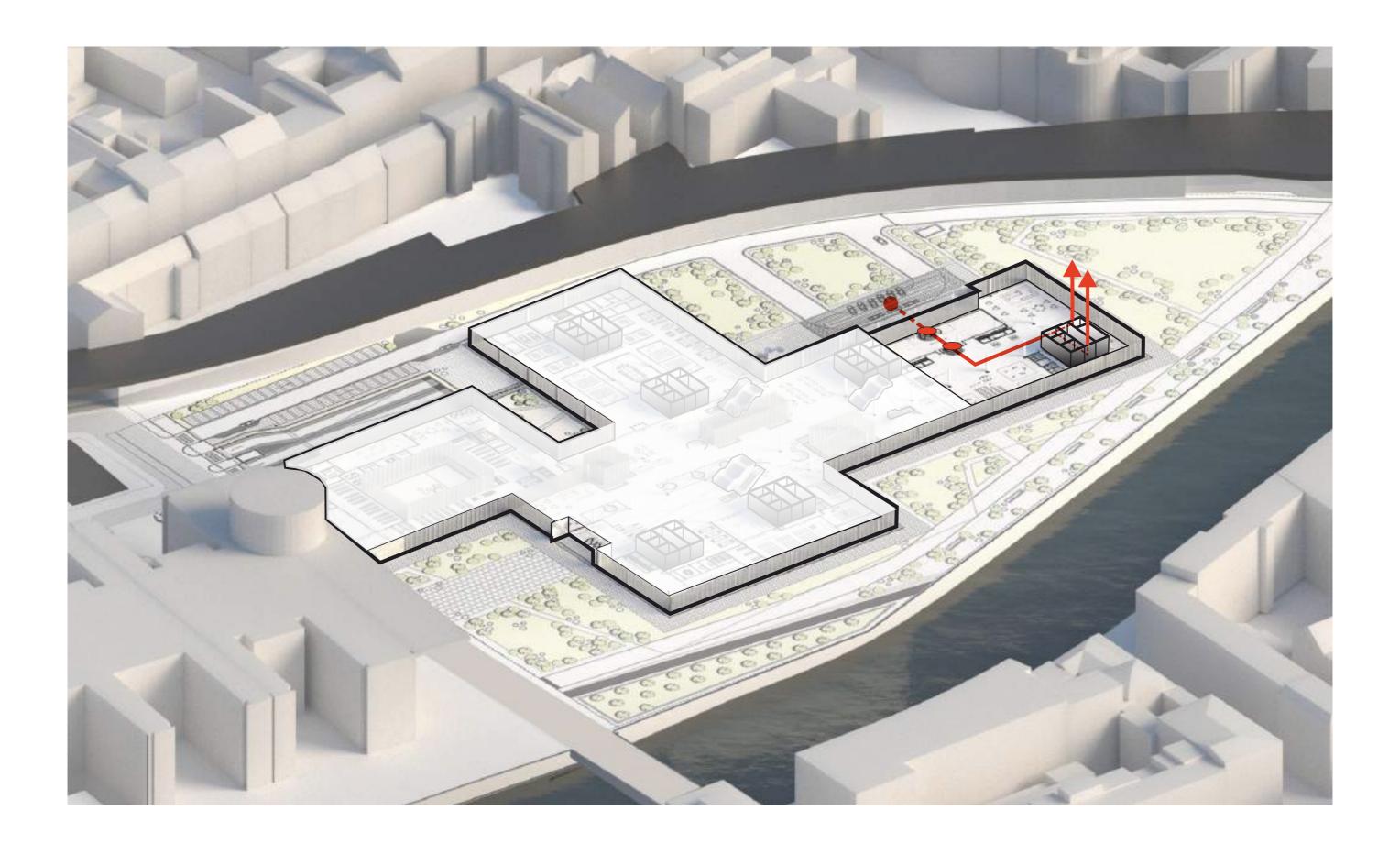
Protocol vihicle

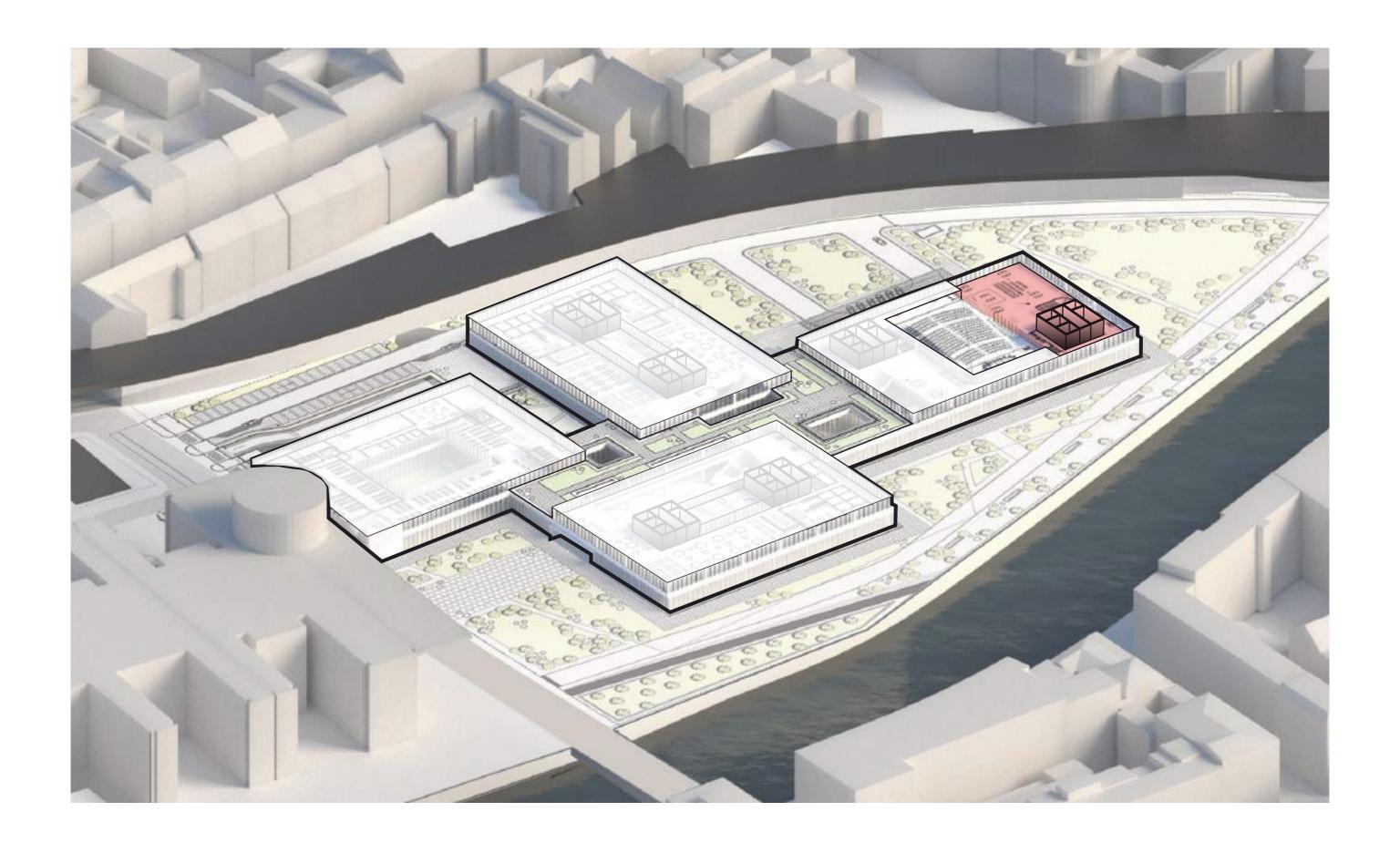


Protocol vihicle





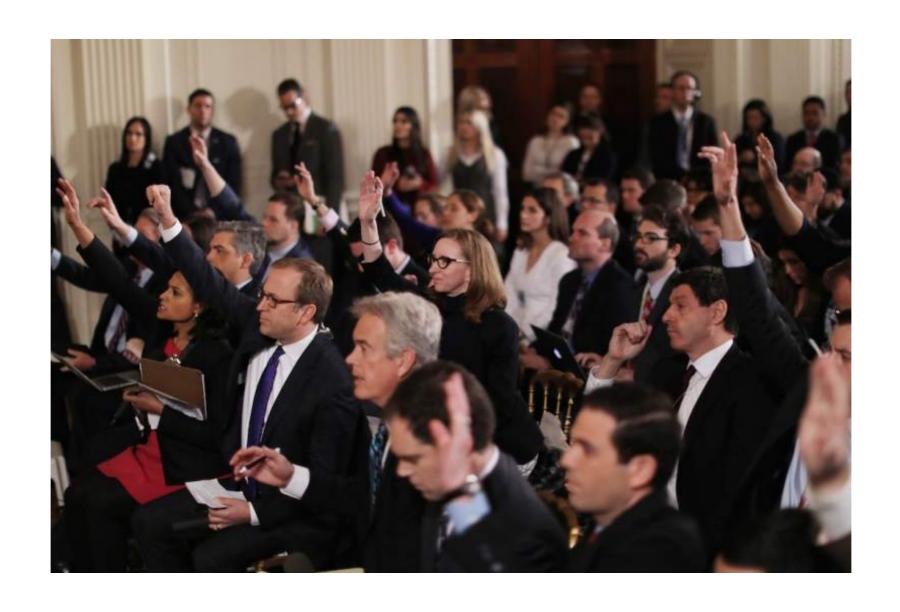




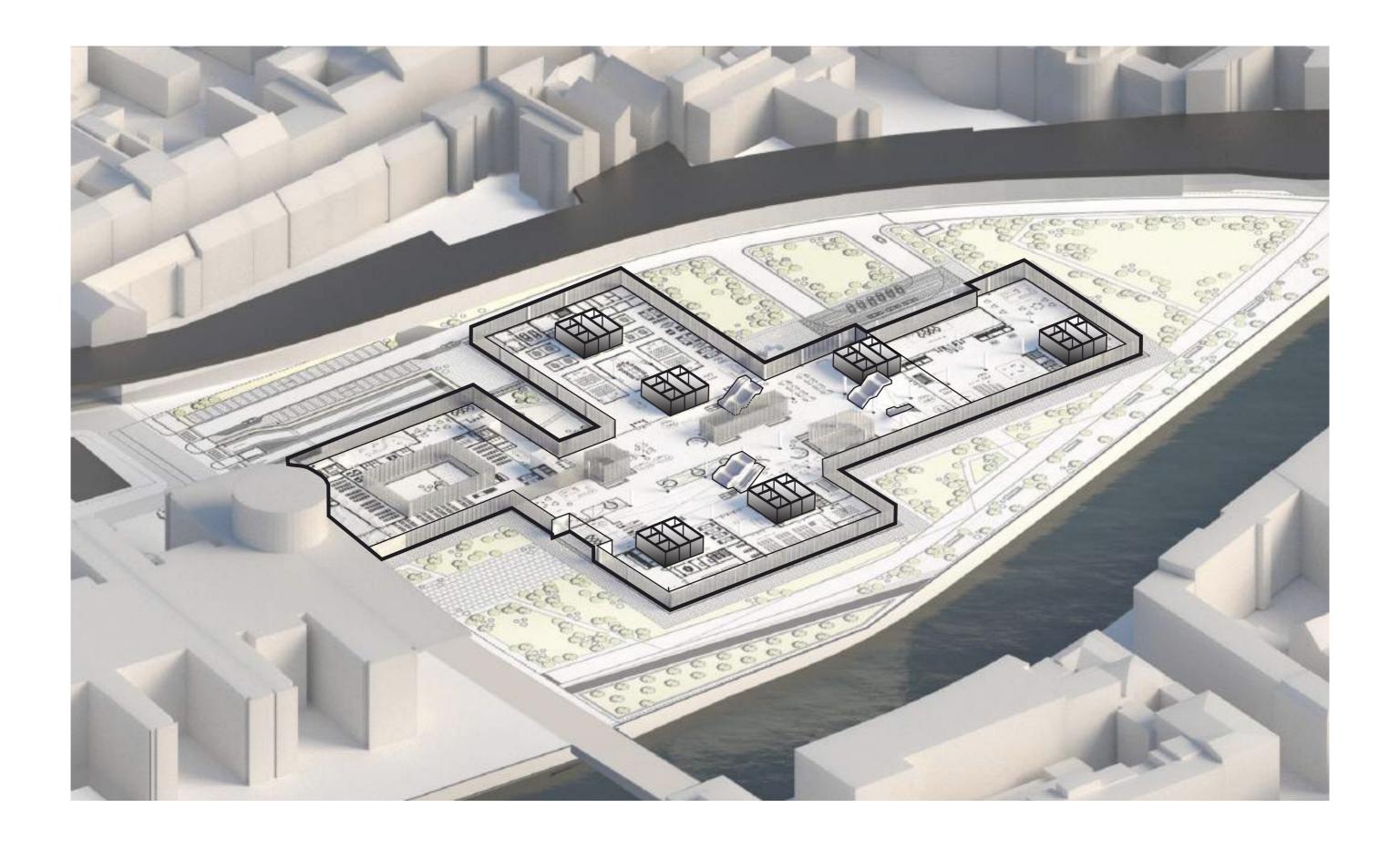


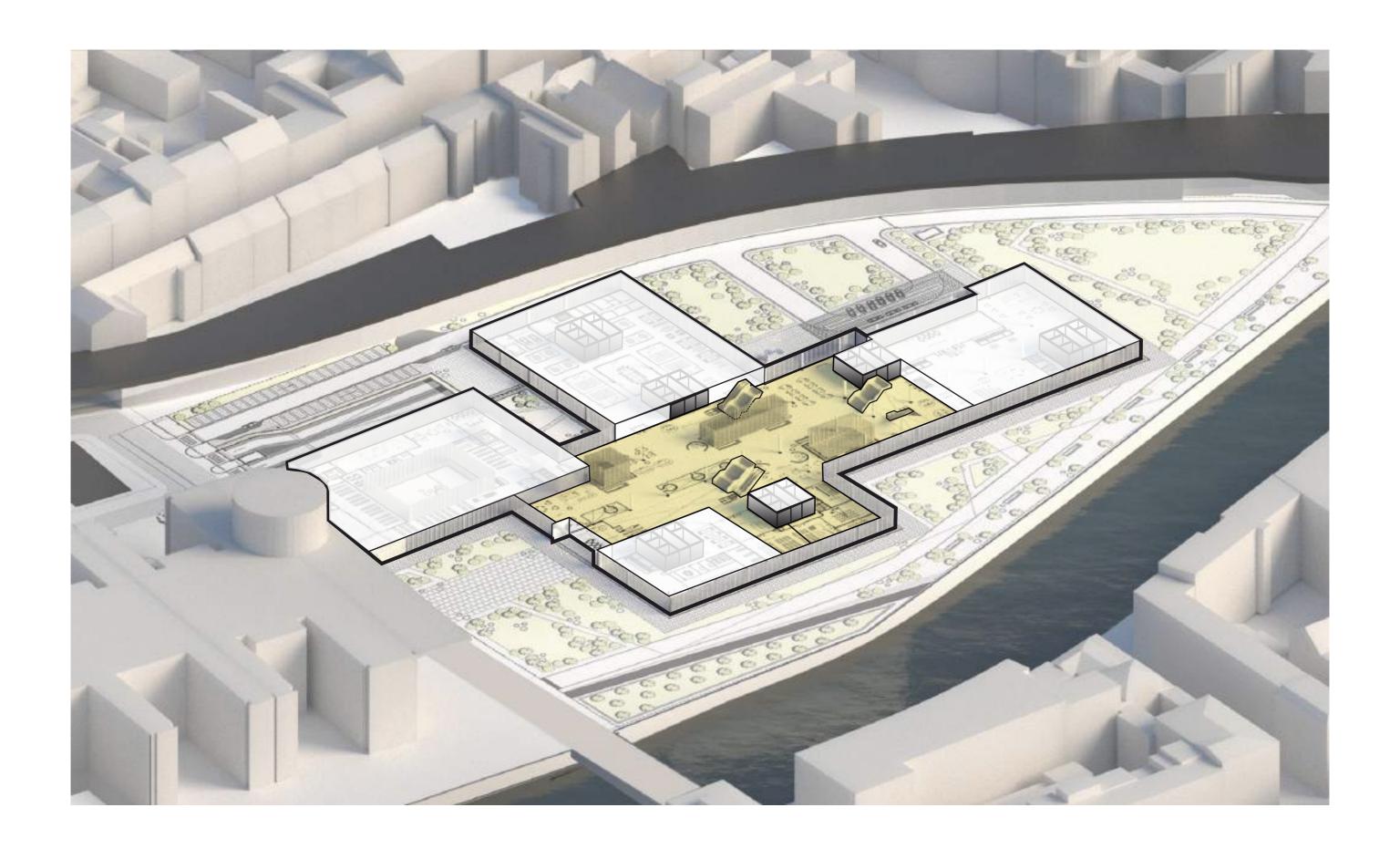


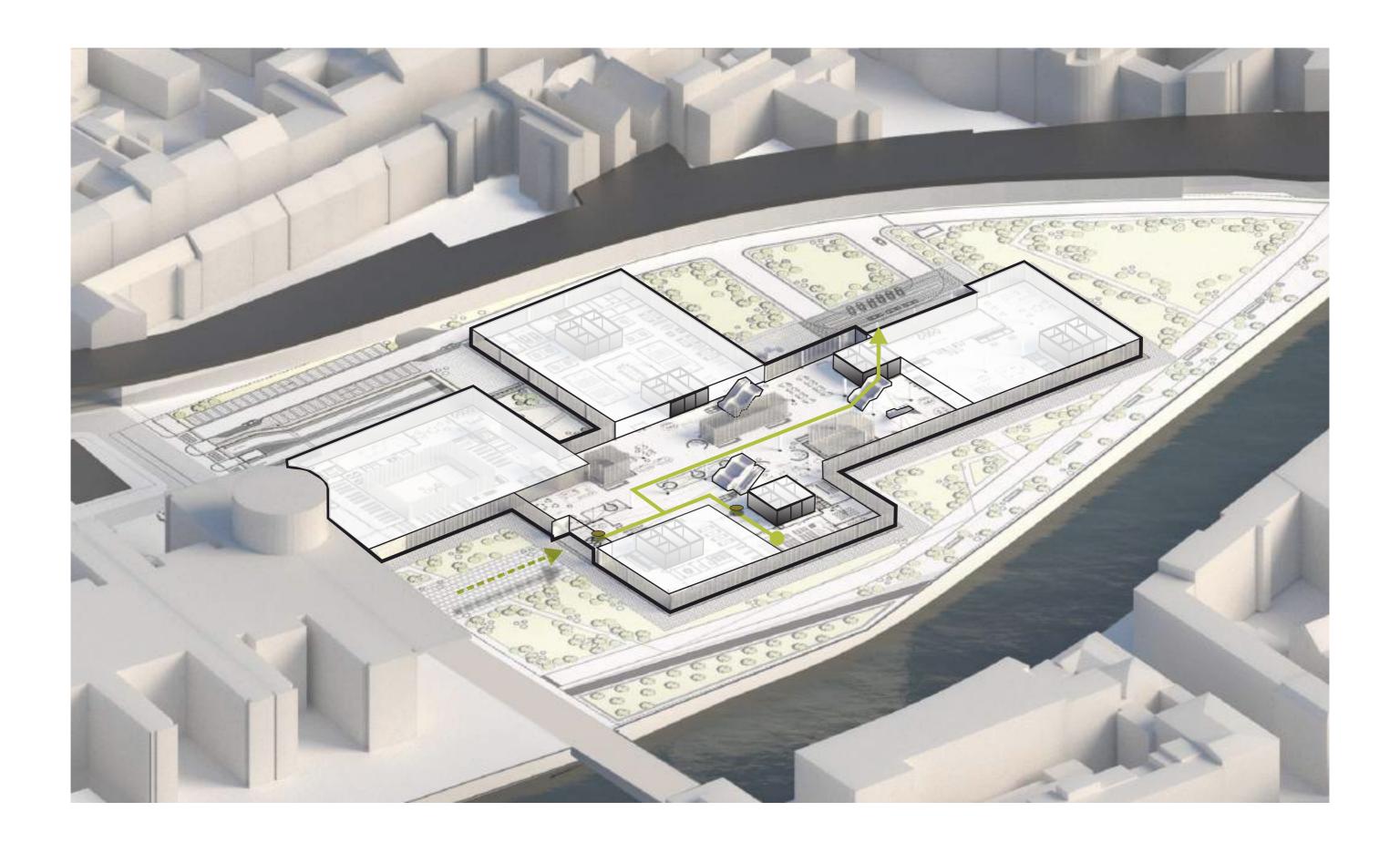
Media

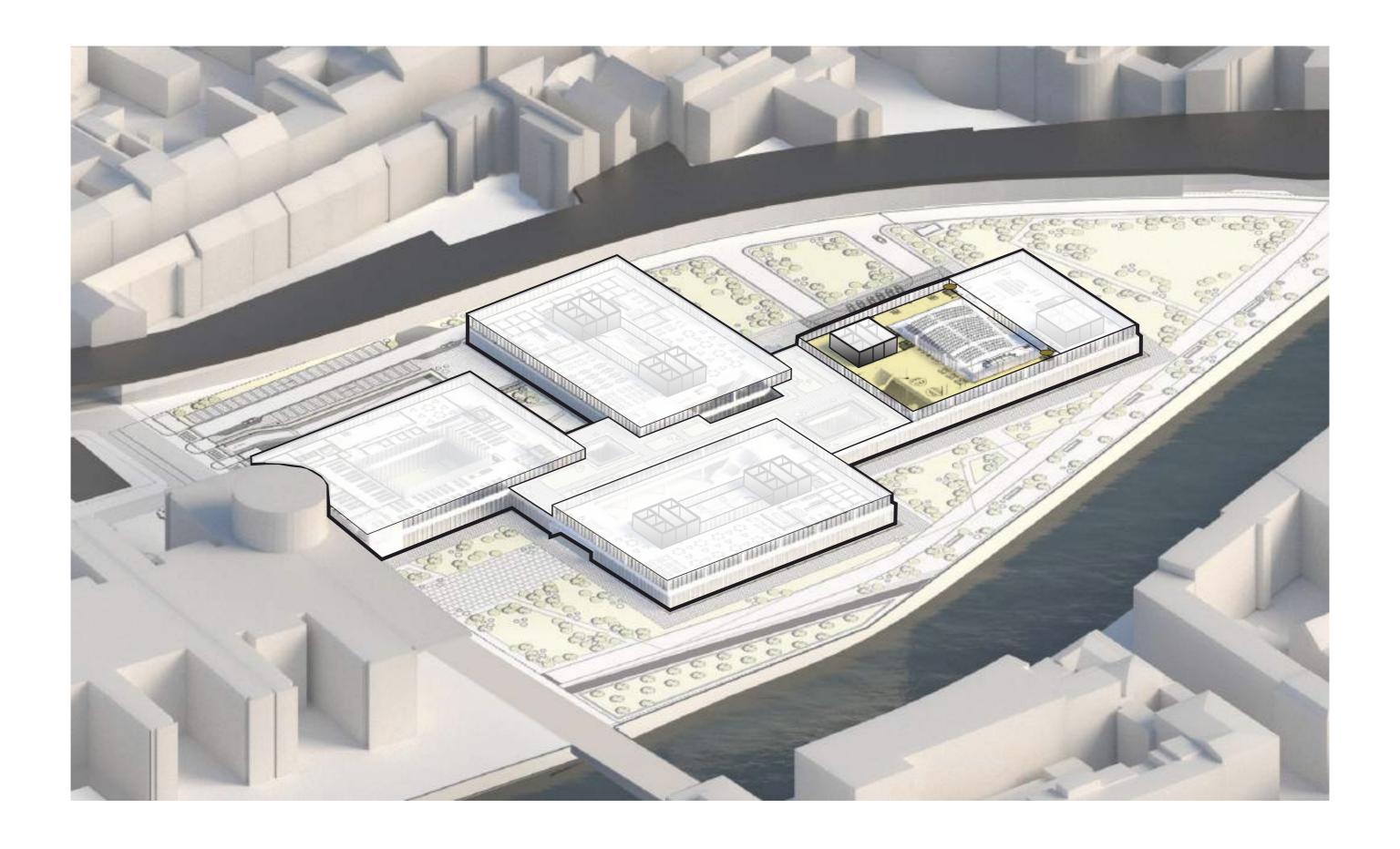


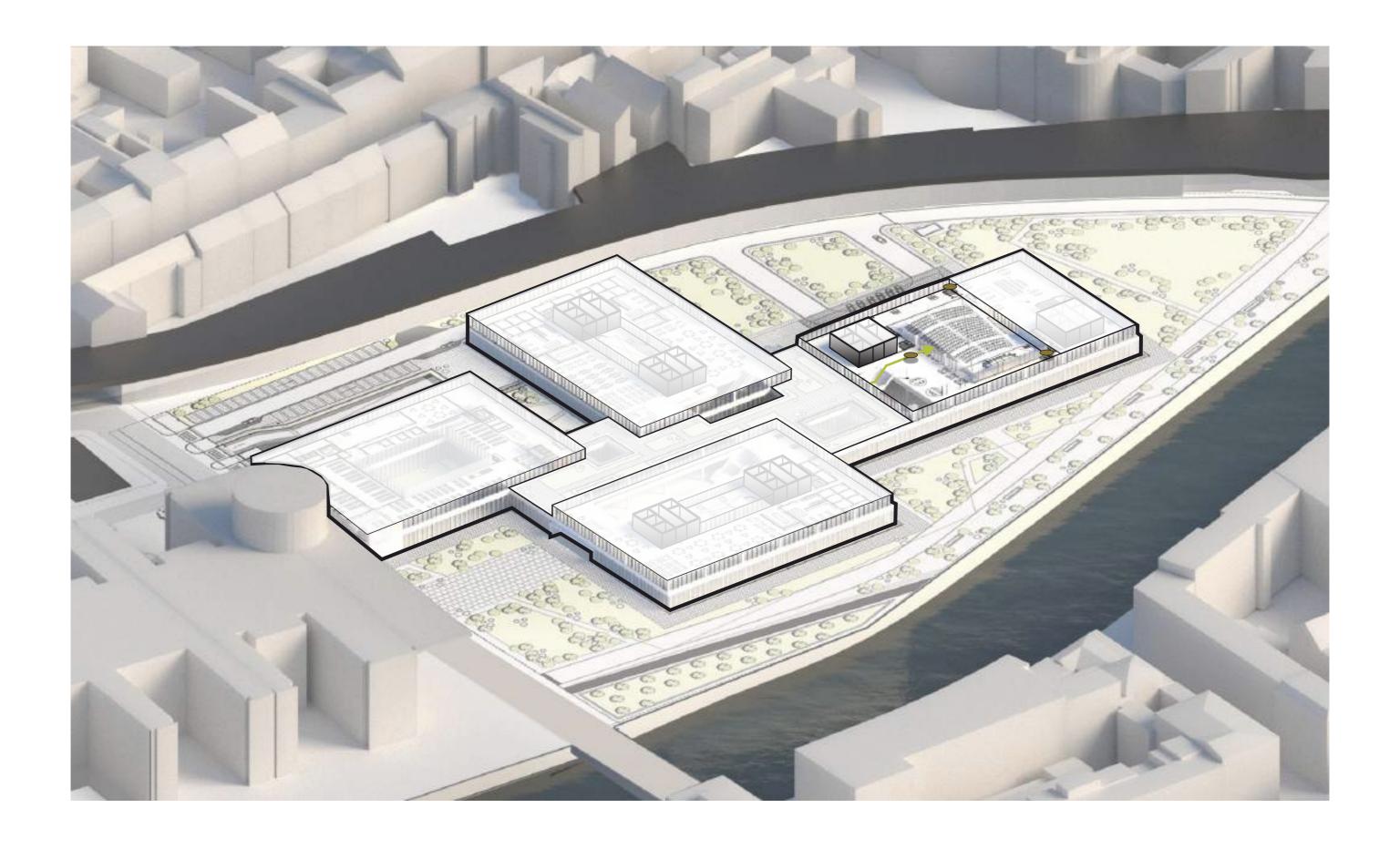










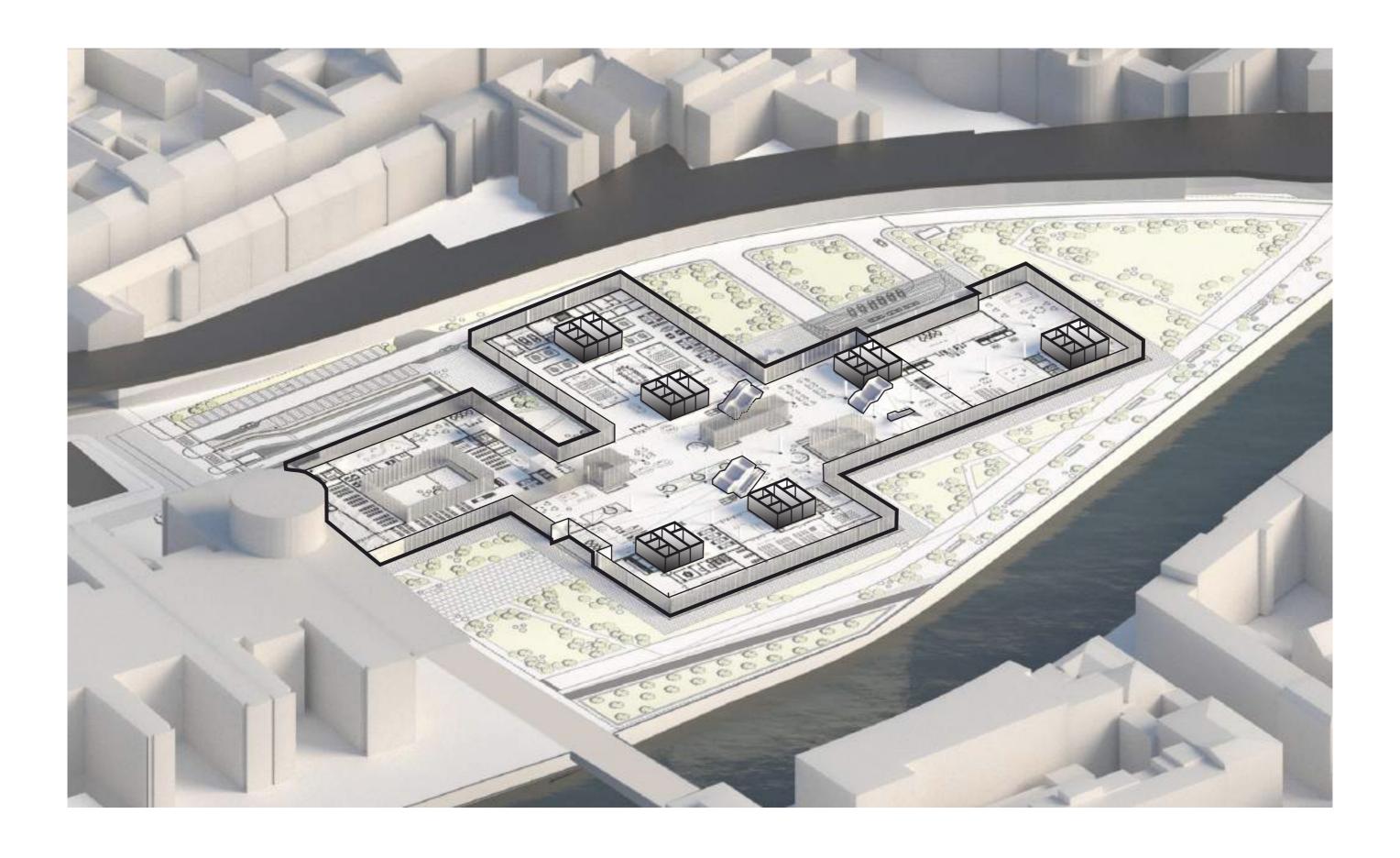


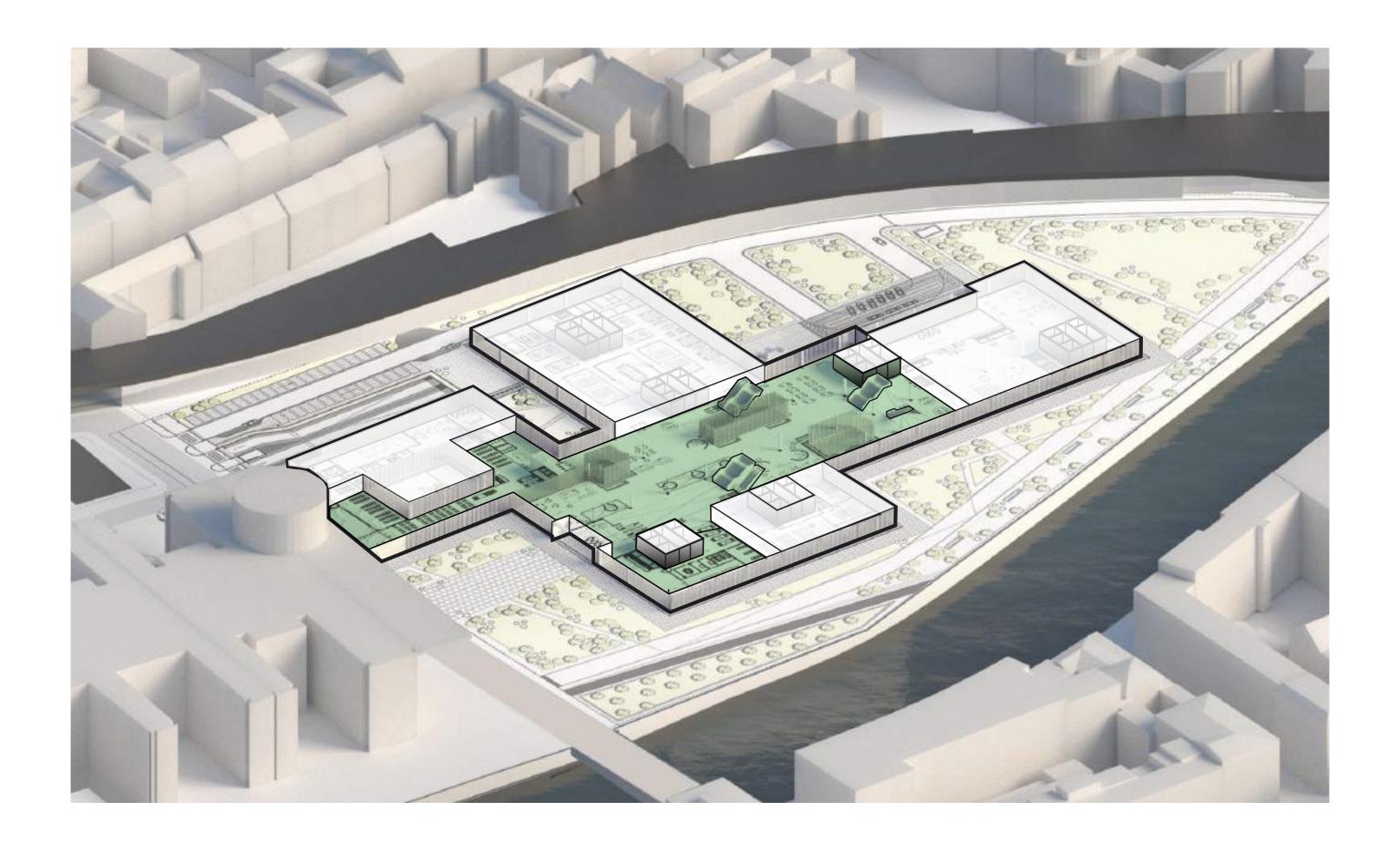


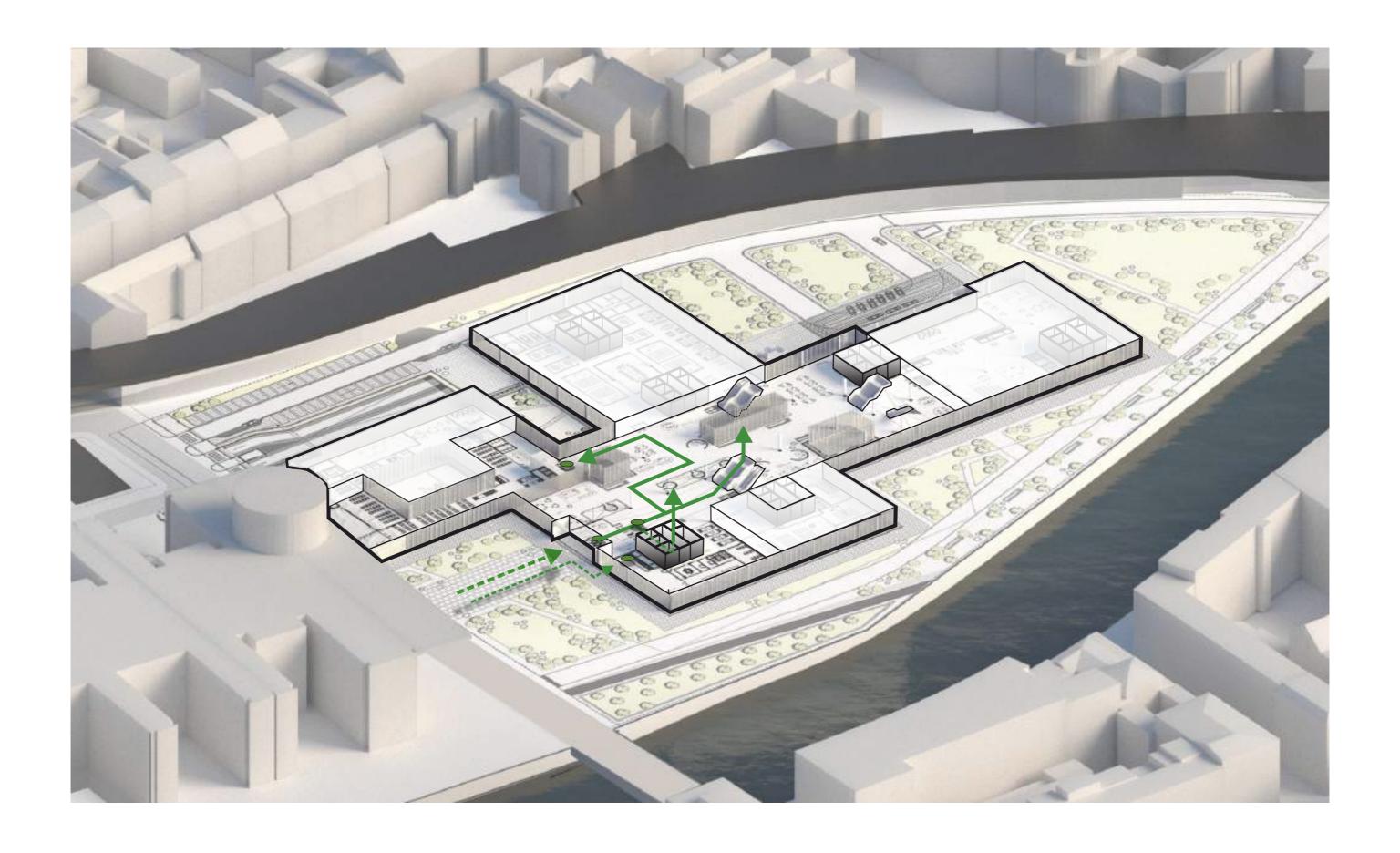
Citizens

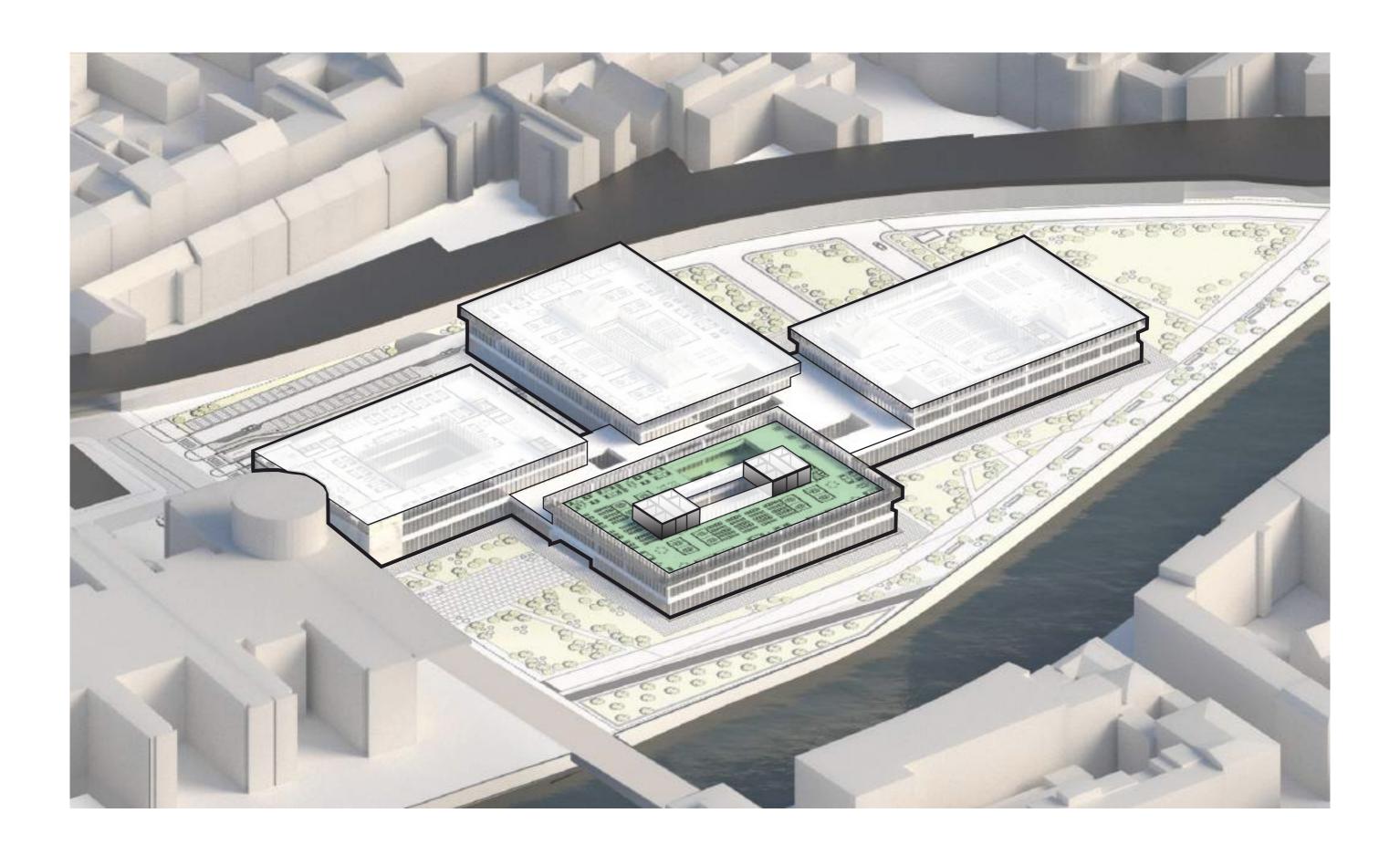


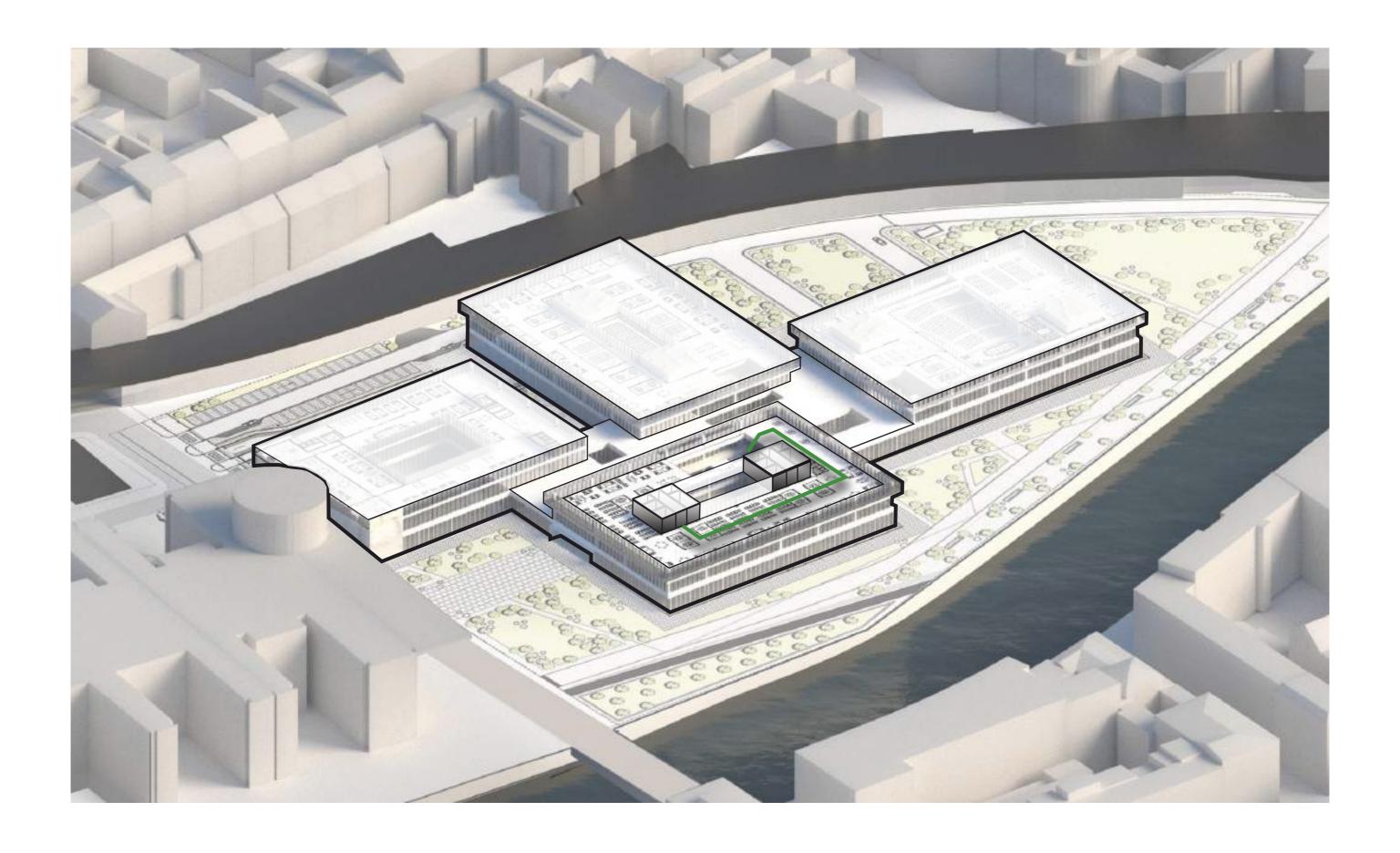








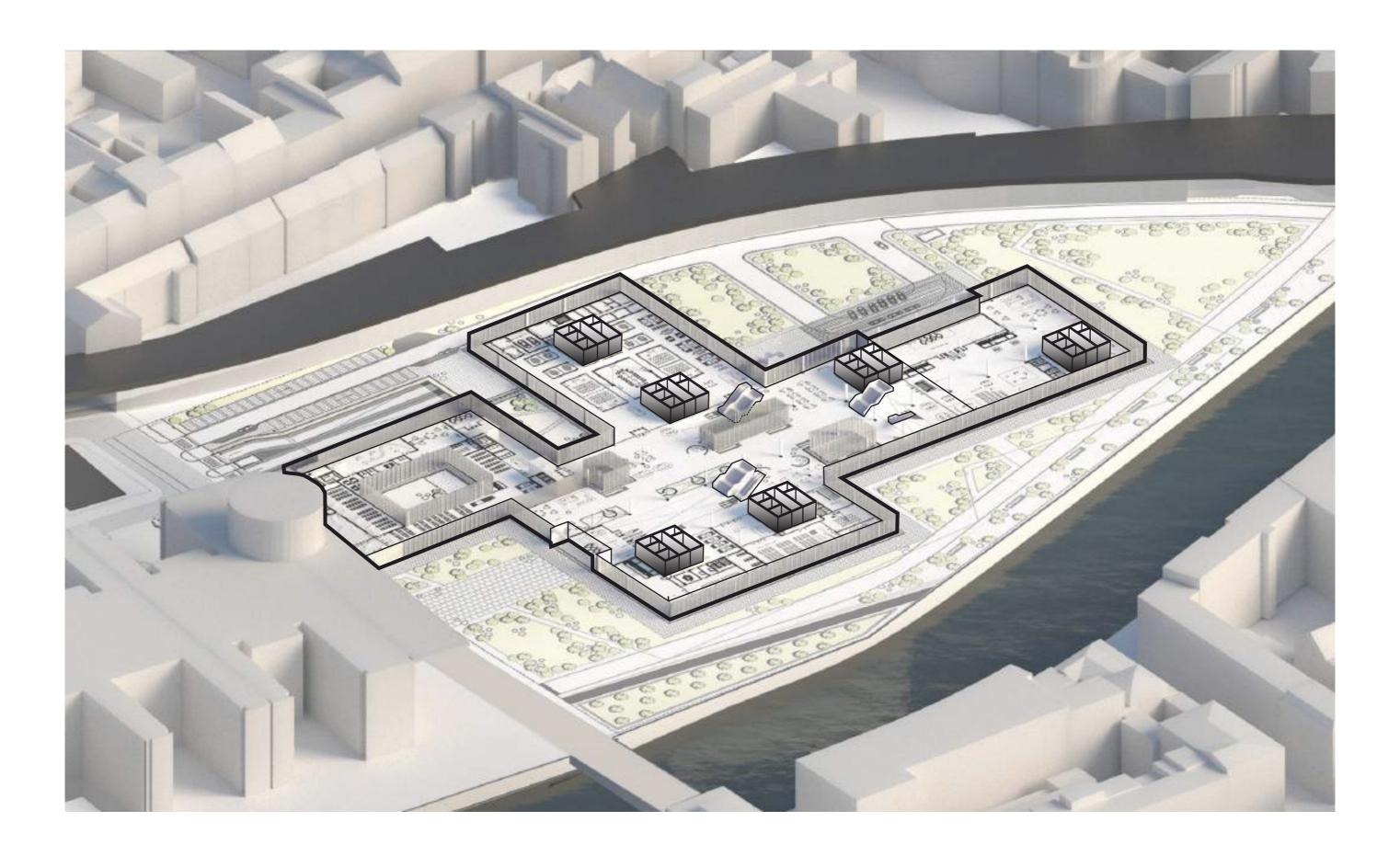


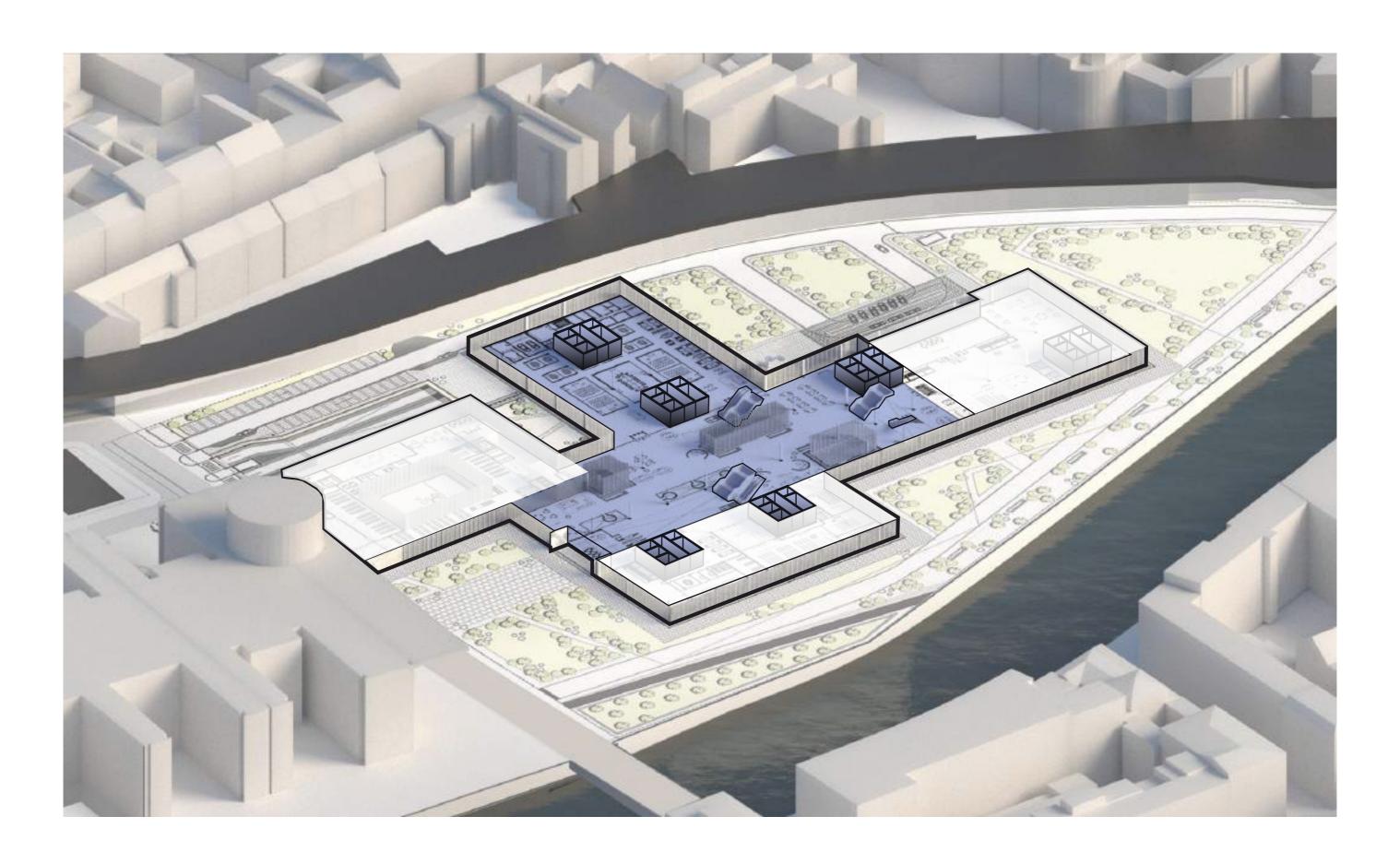


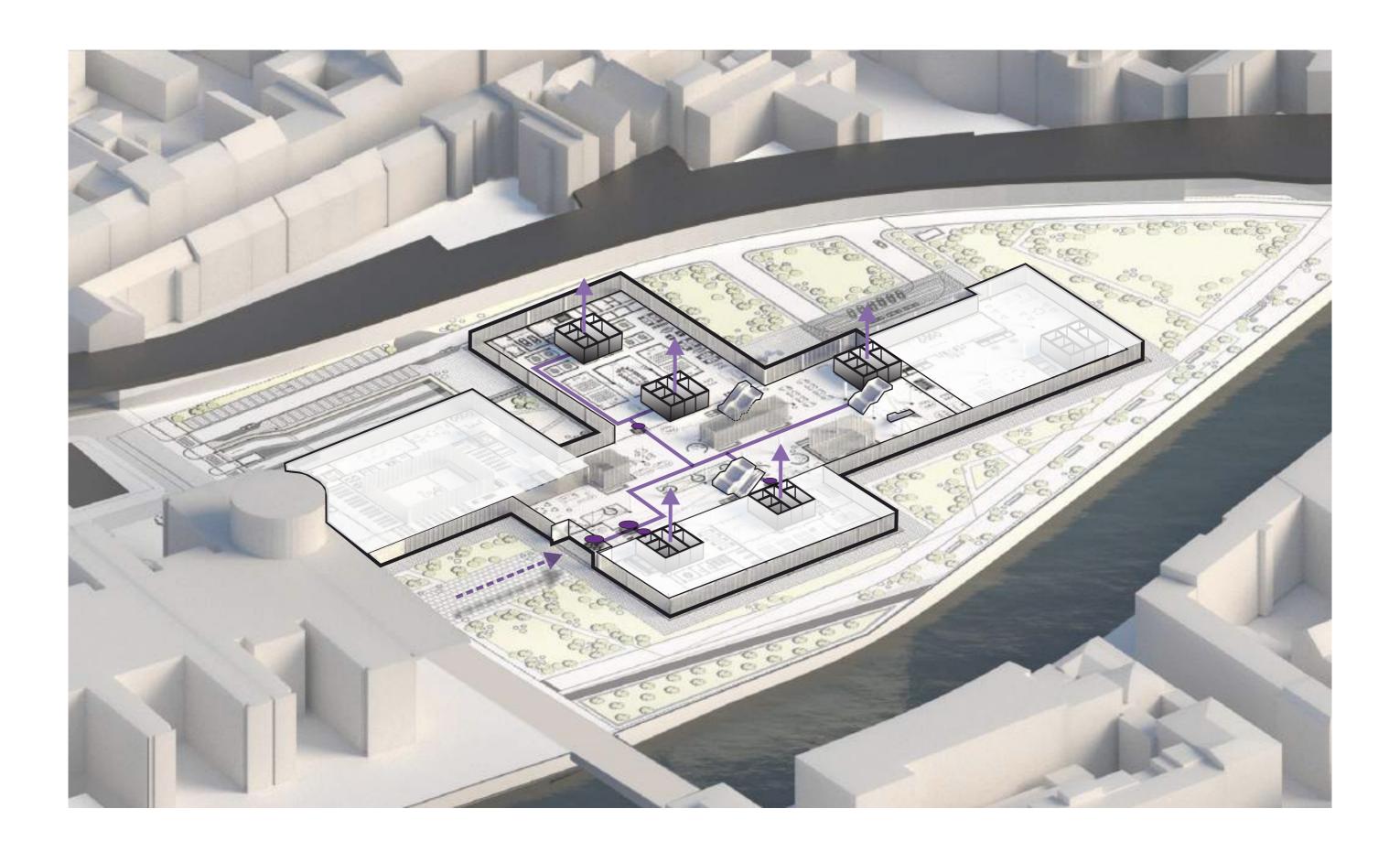
Accredited persons



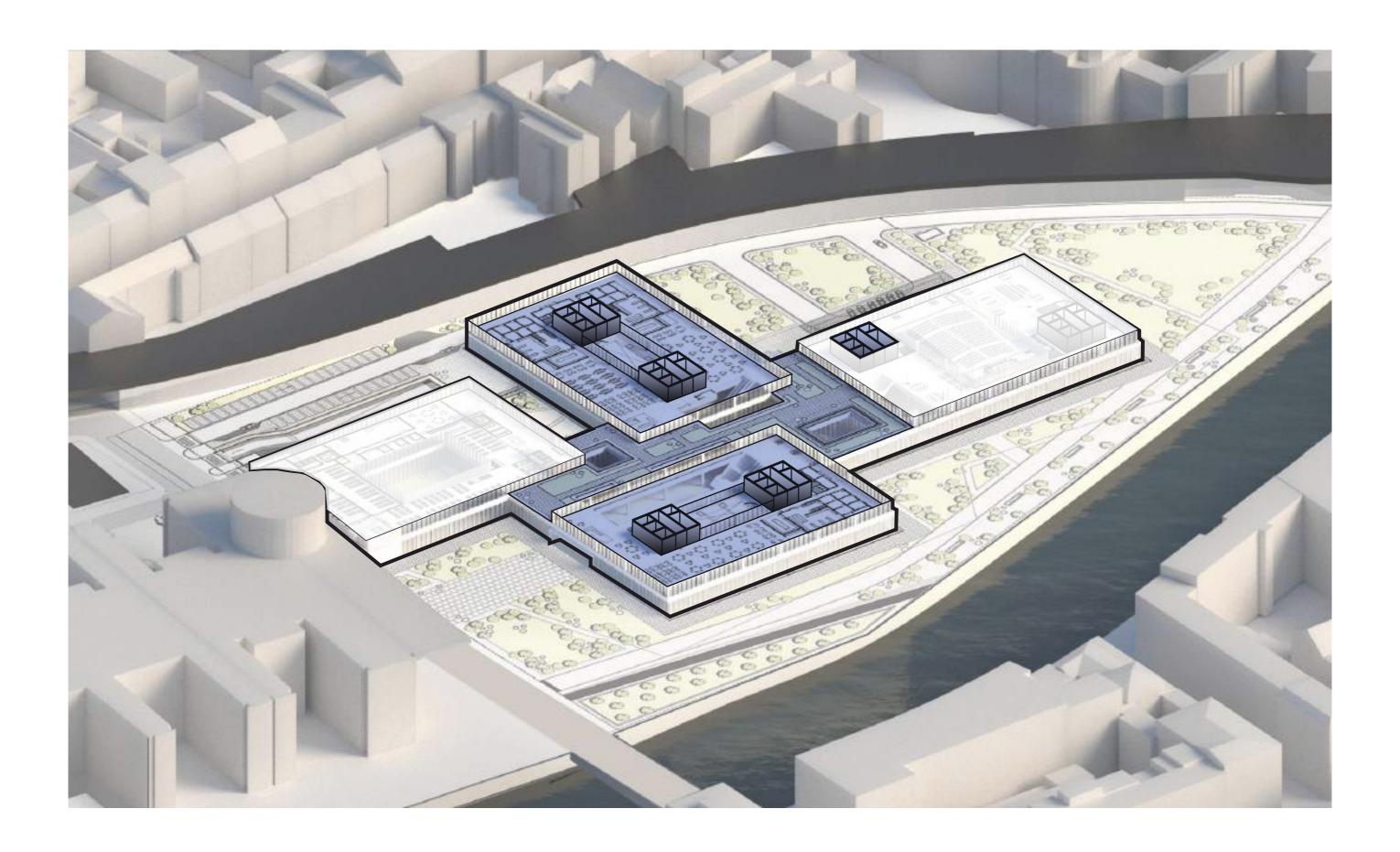
- VISITORS / CITIZENS
- MEDIA
- PROTOCOL
- ACCREDITED PERSONS



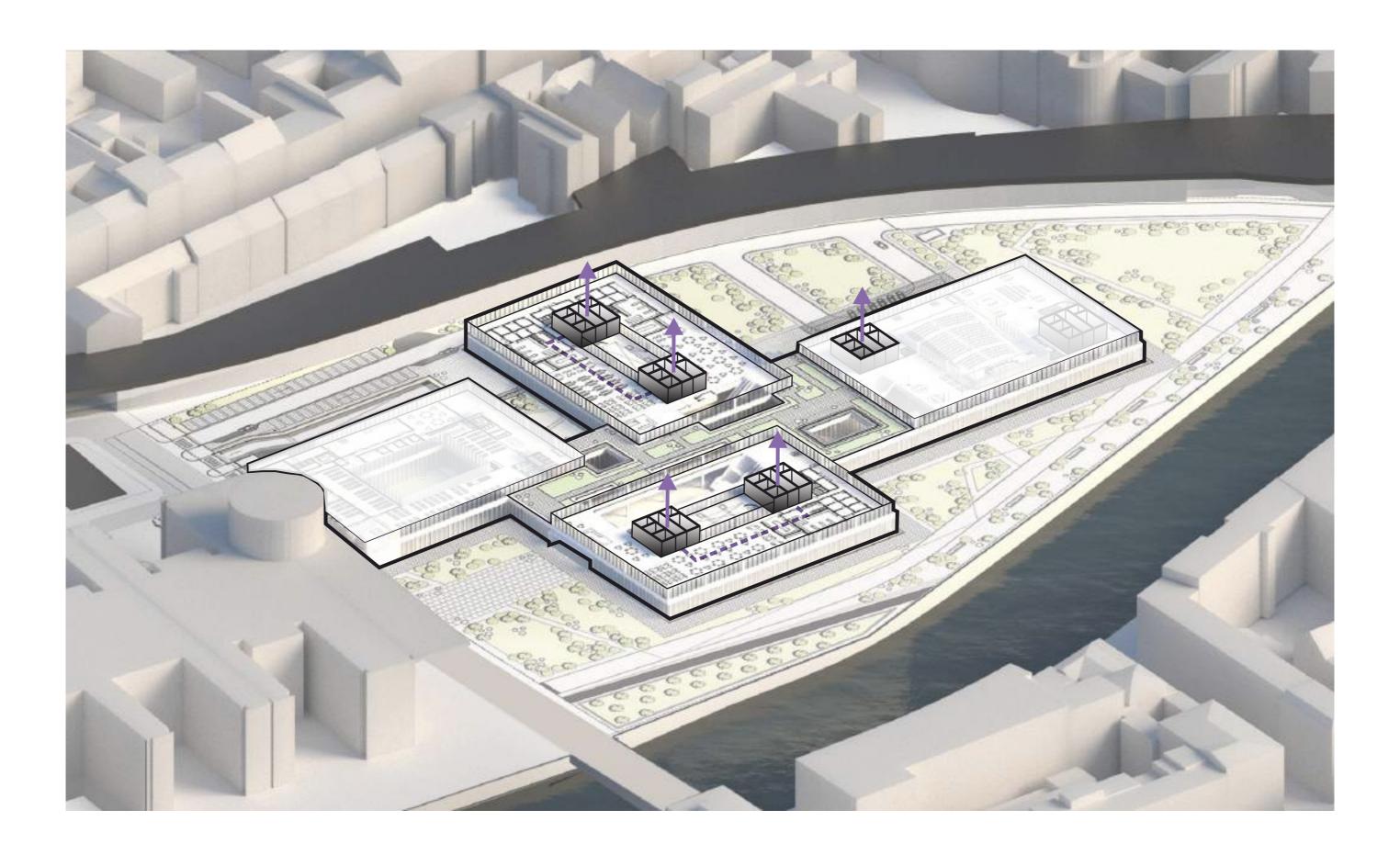


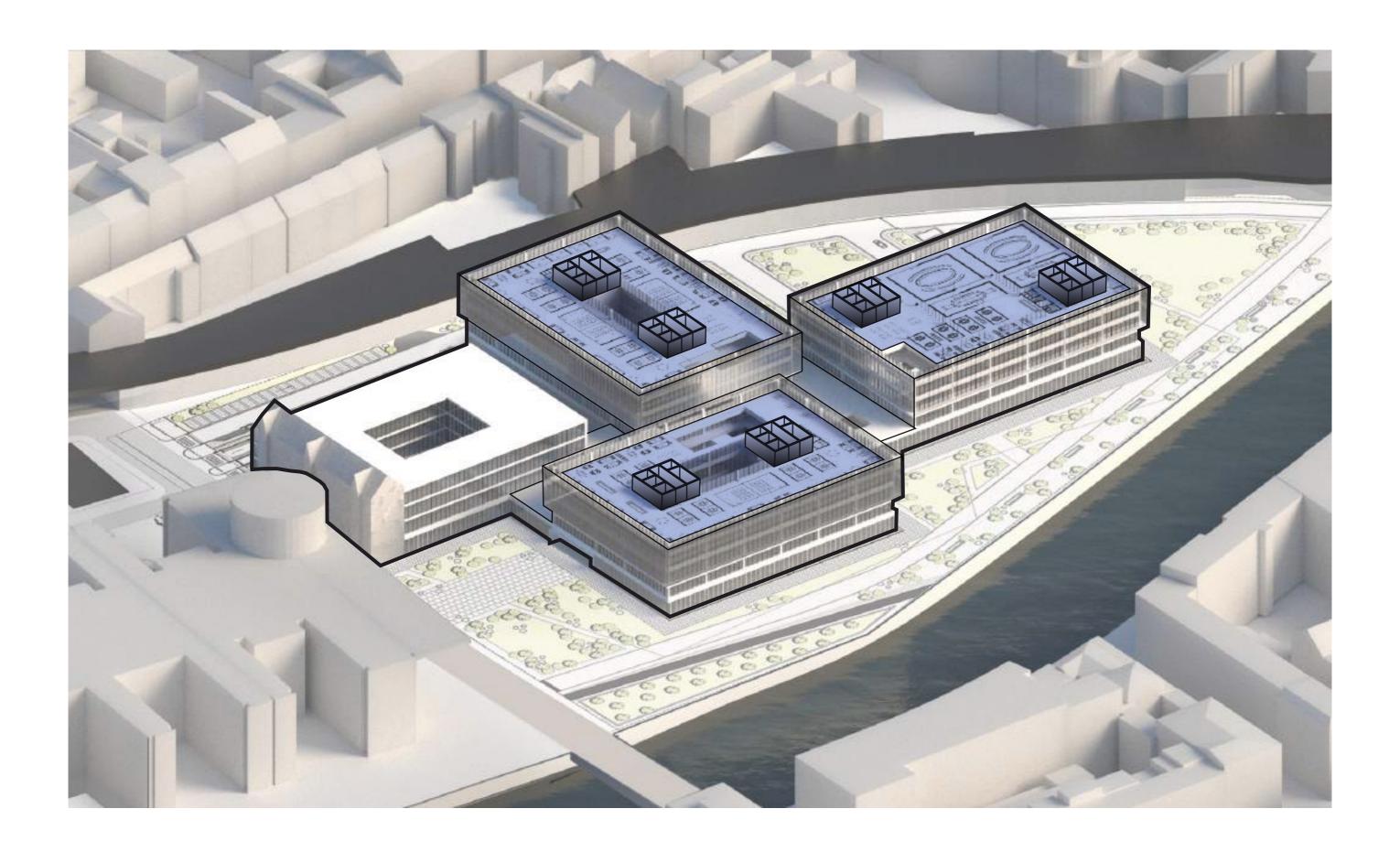


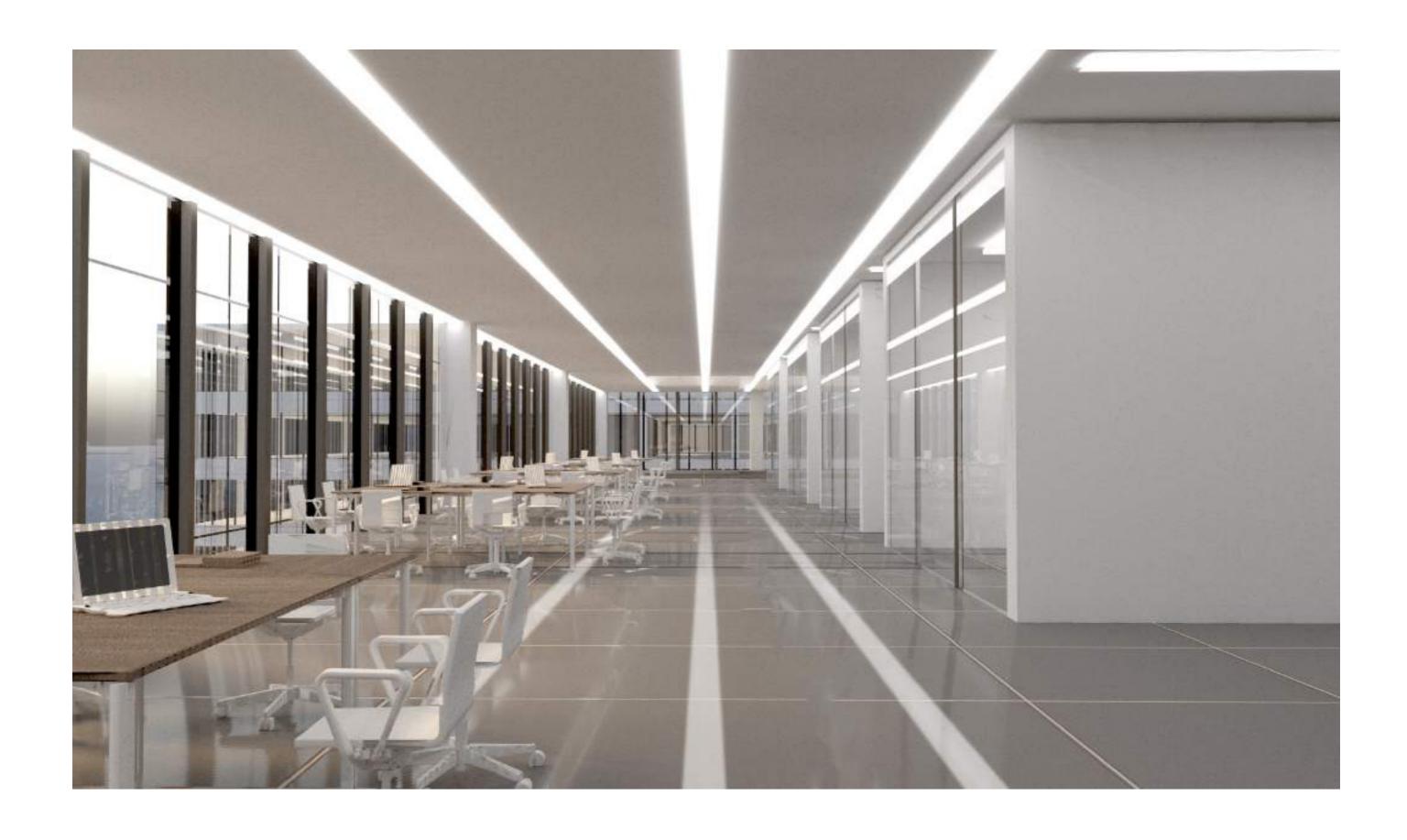




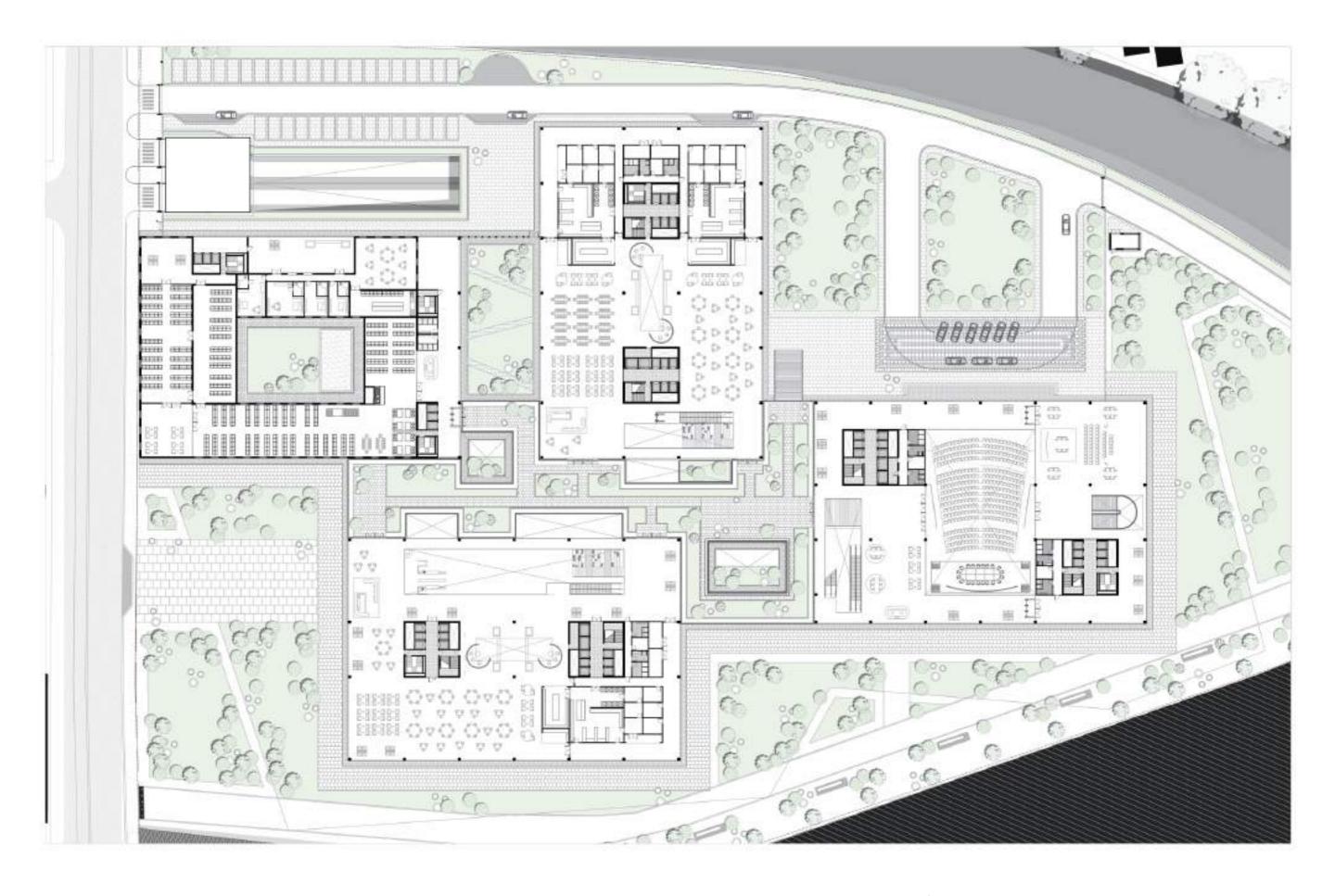




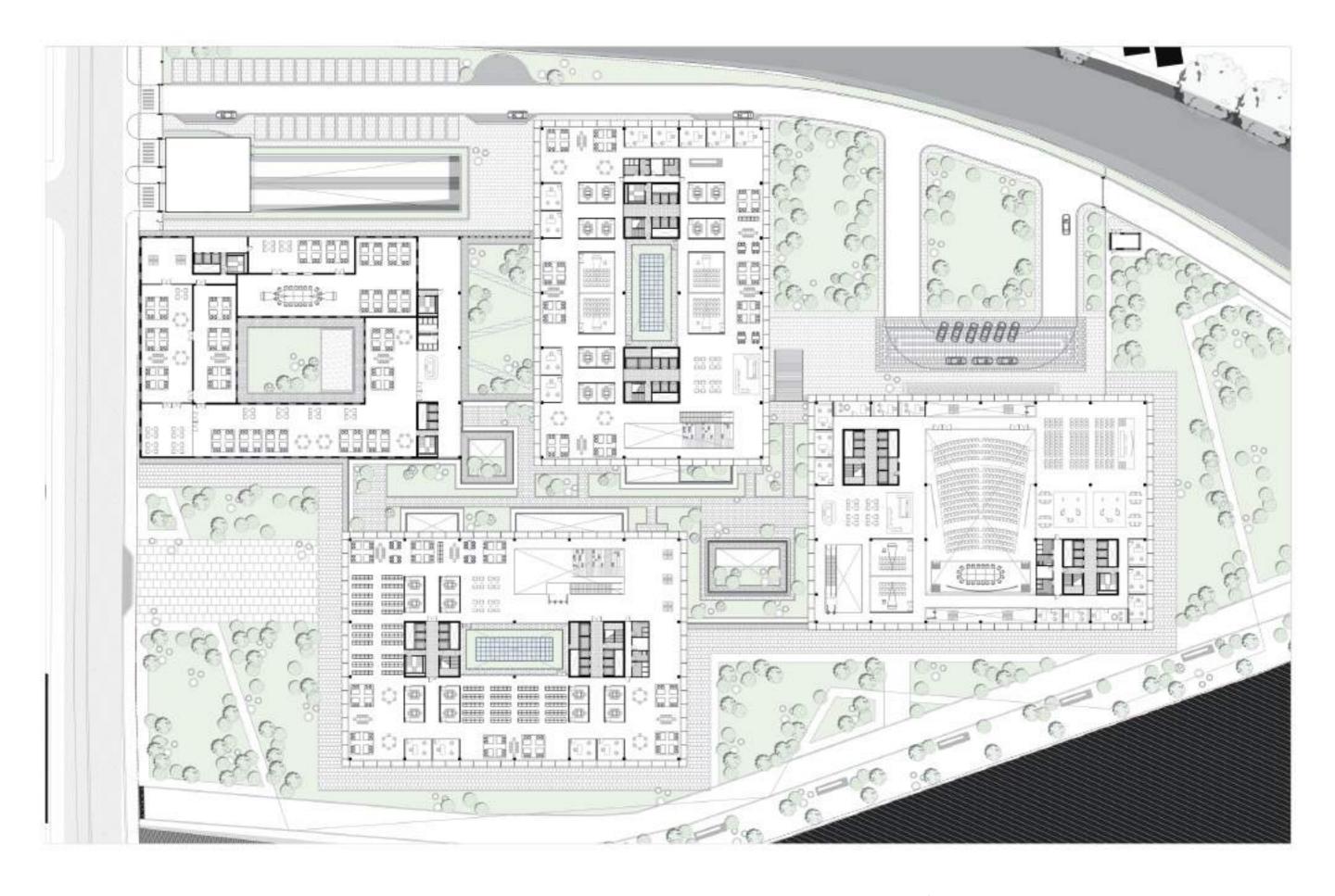




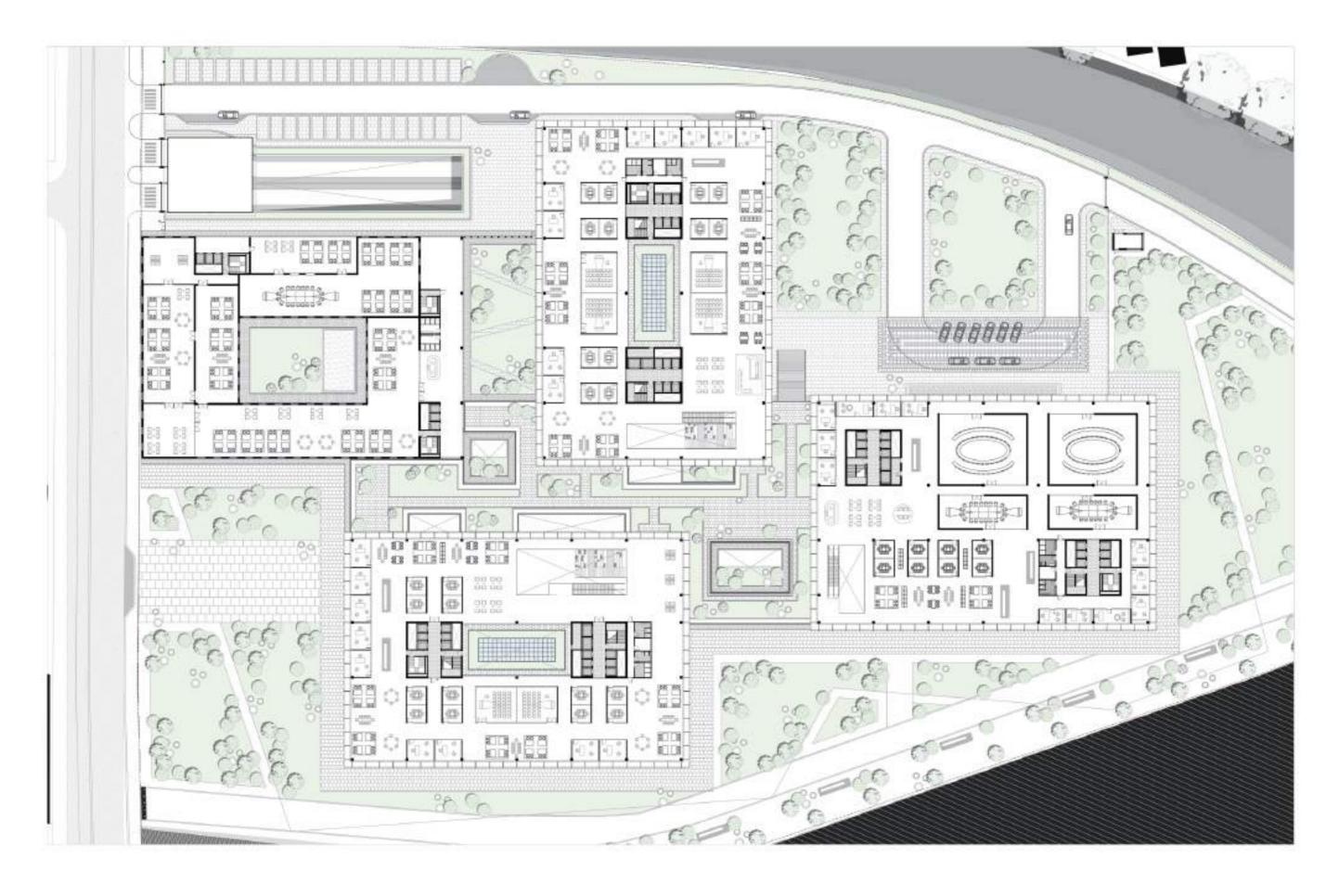
01 floor 1:500



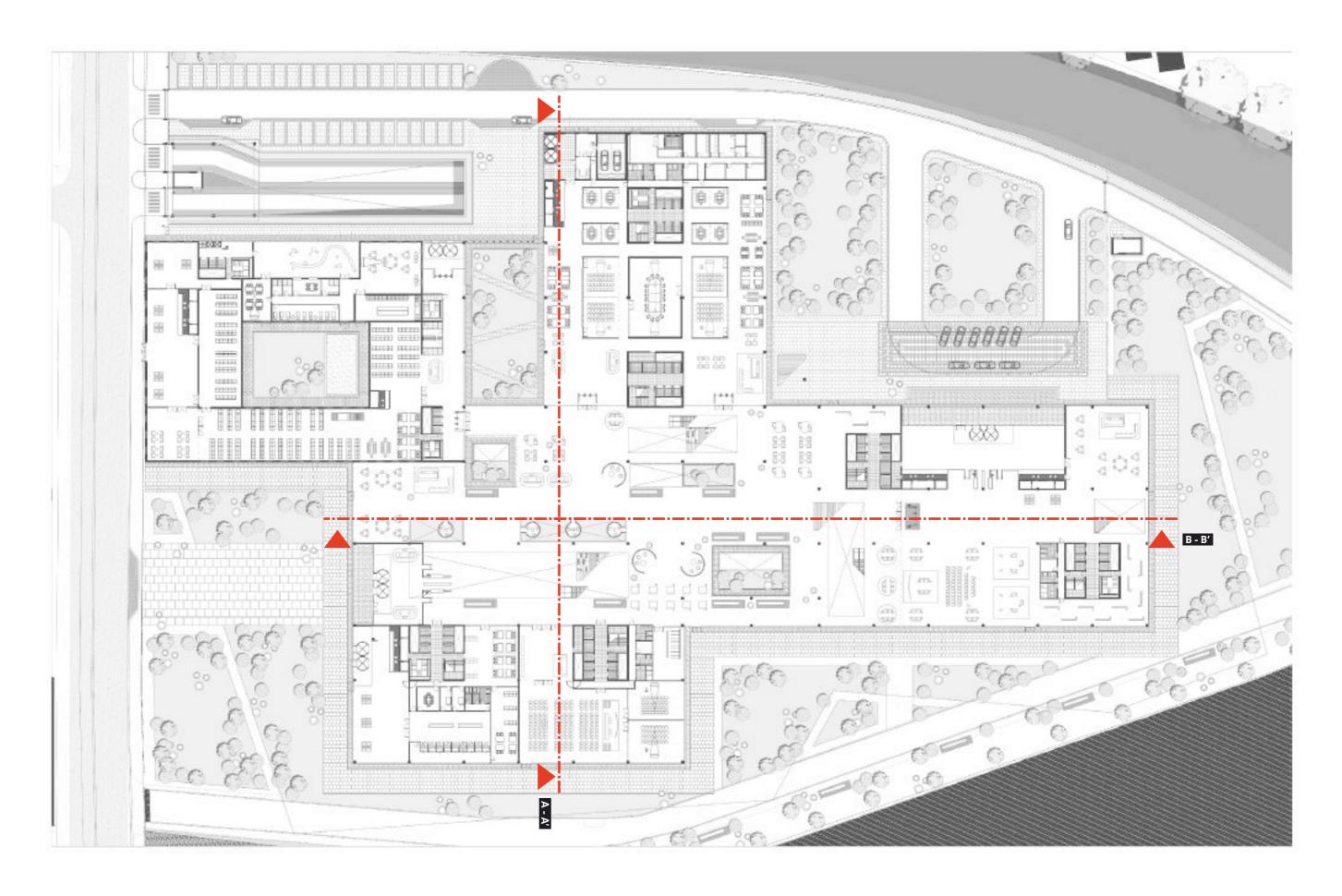
02 floor 1:500



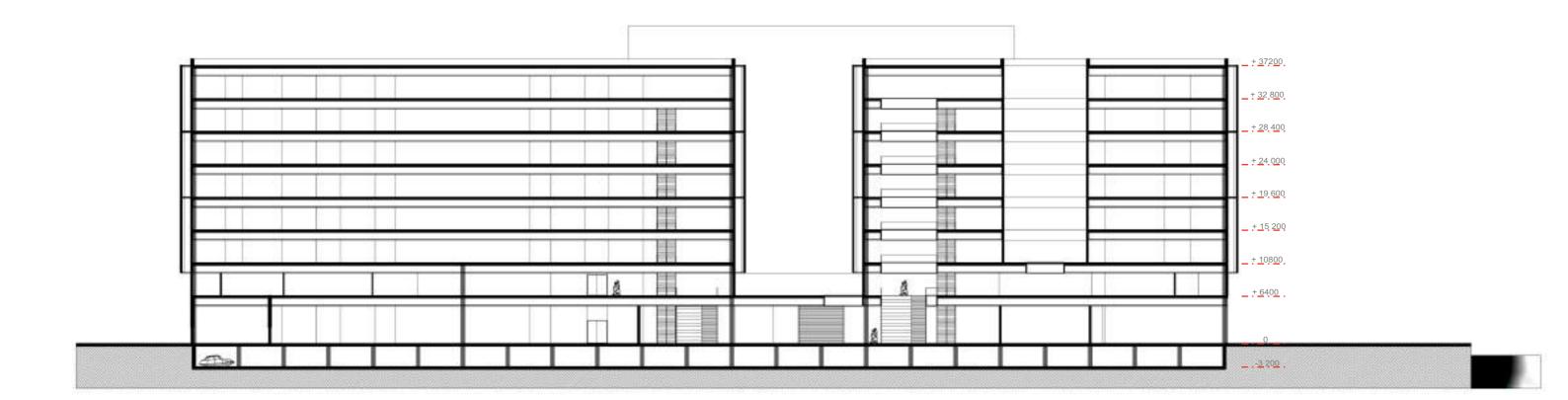
03 floor 1:500



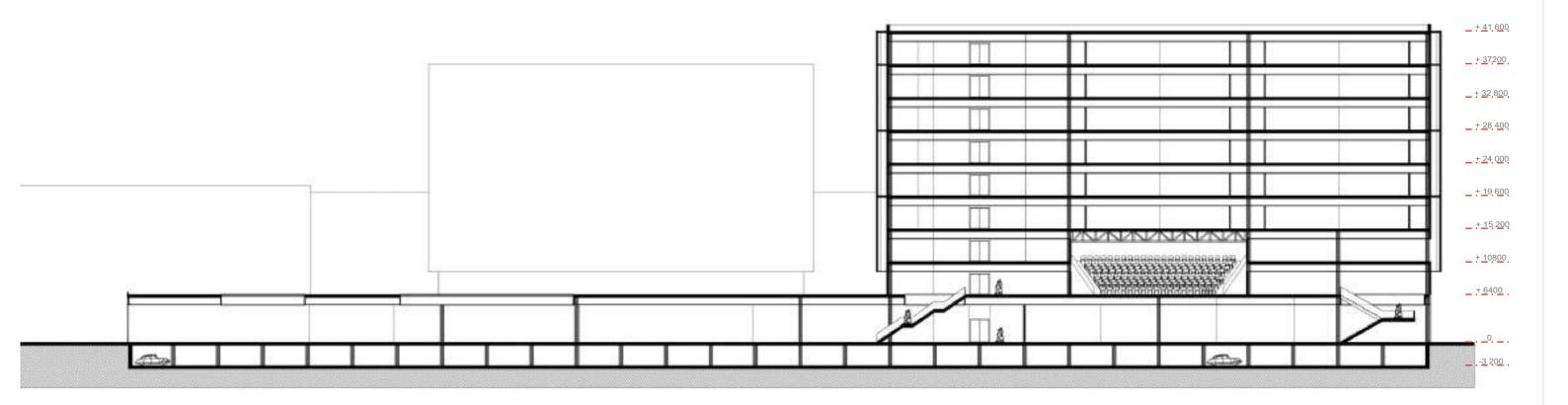
Sections



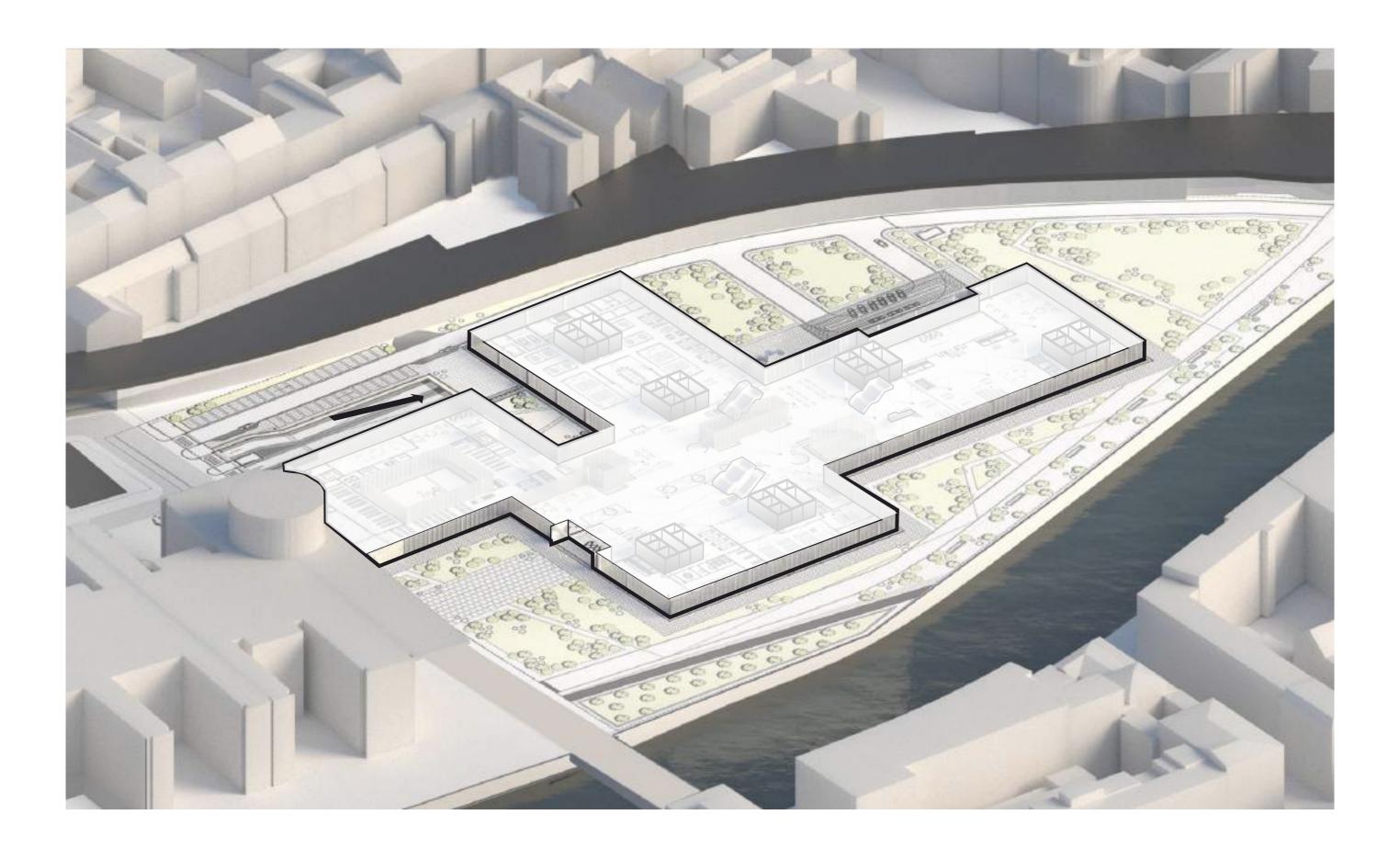
Section A - A'



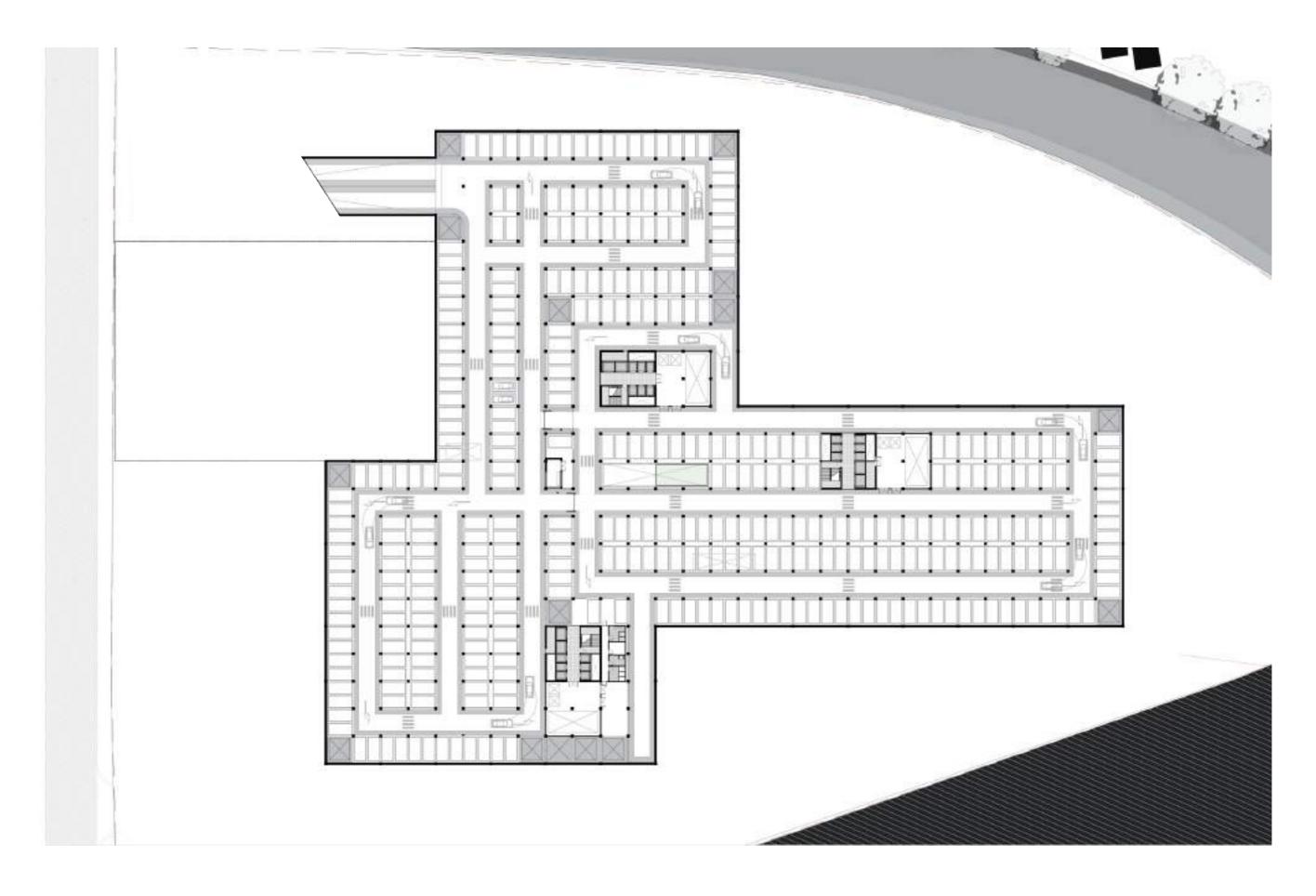
Section B - B'



Underground parking



Underground parking facilities

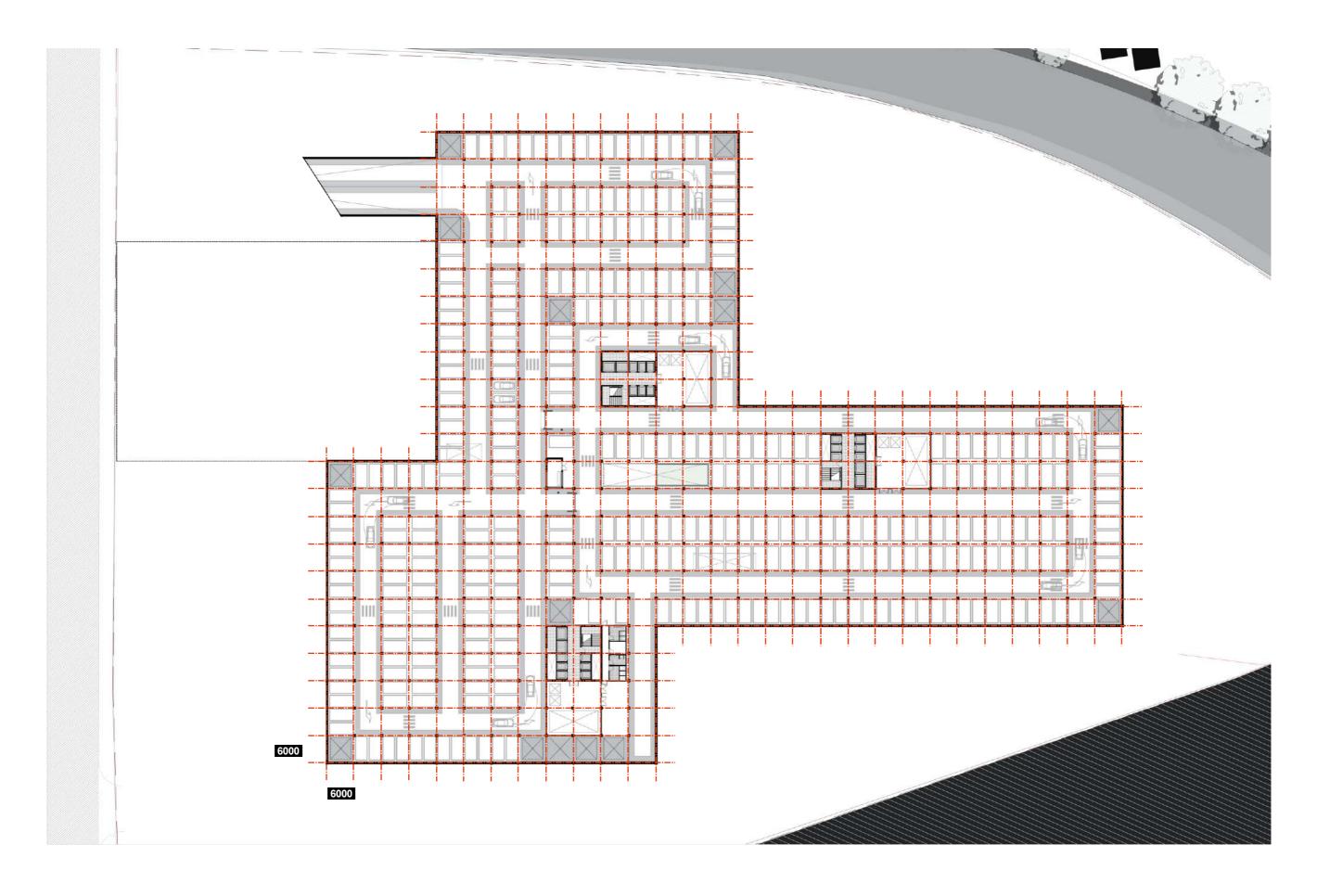


- 1. INTRODUCTION
- 2. NEW POLITICS
- 3. DESIGN

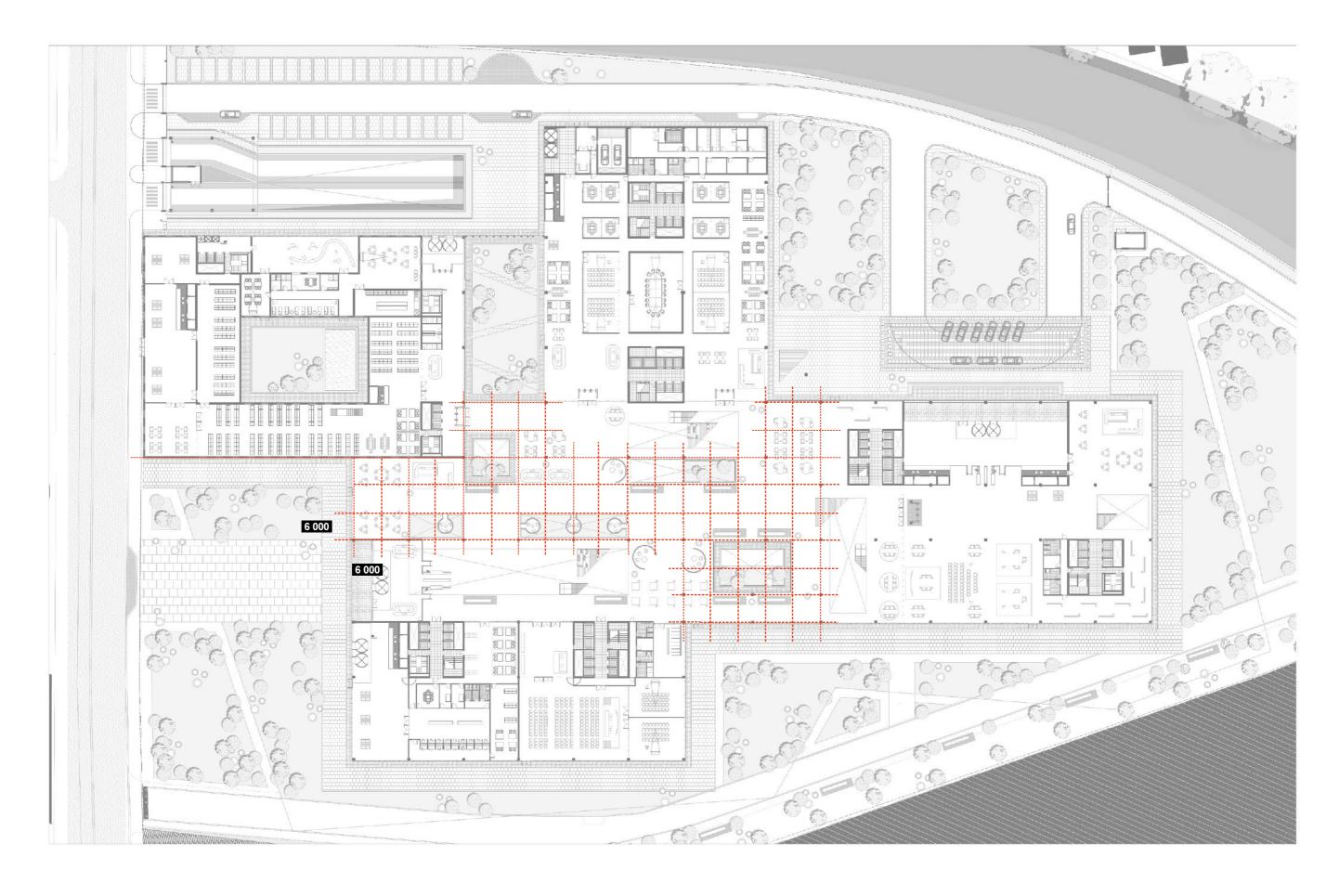
CONCEPT IMPLEMENTATION DEVELOPMENT

5. CONCLUSION

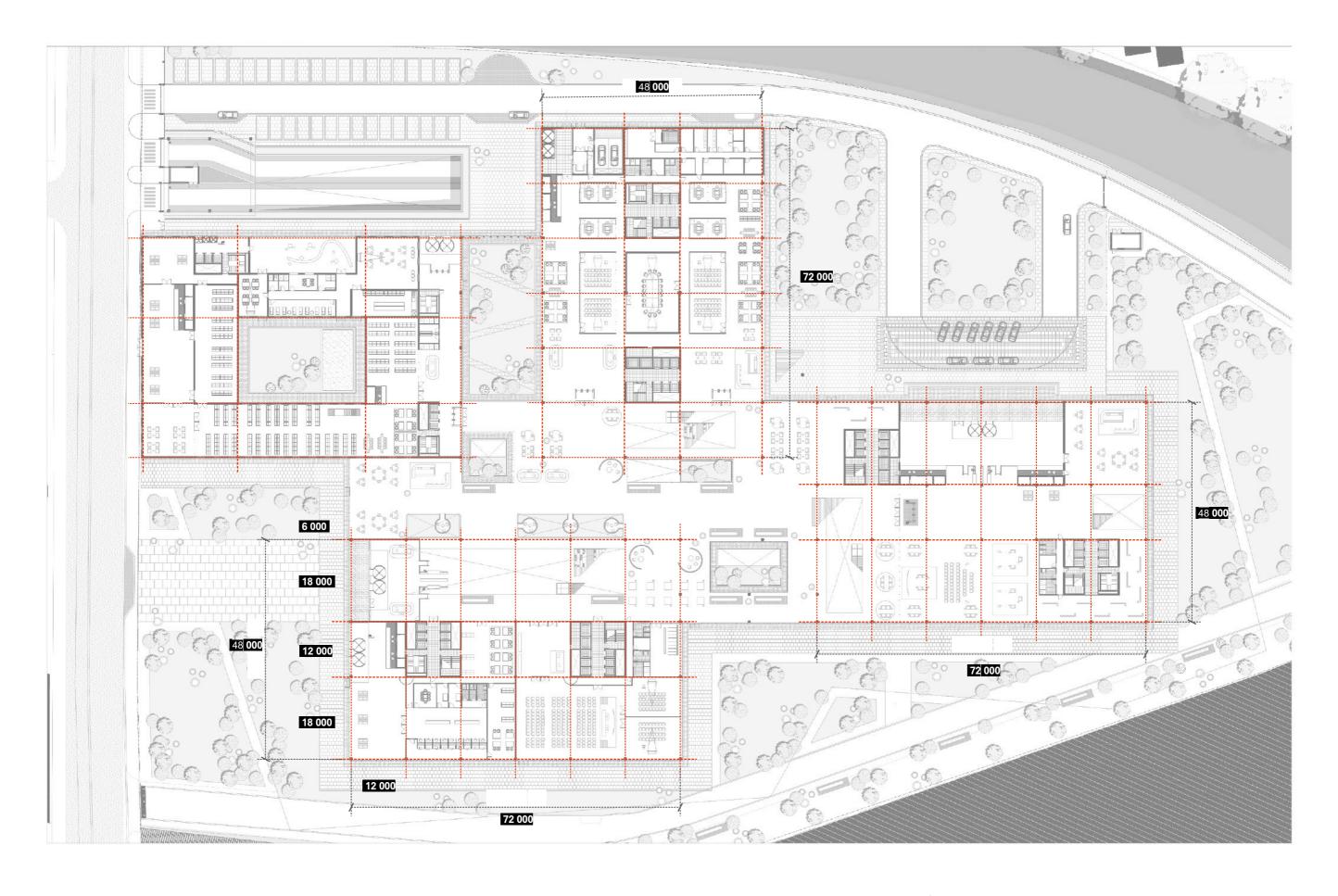
Construction grid parking

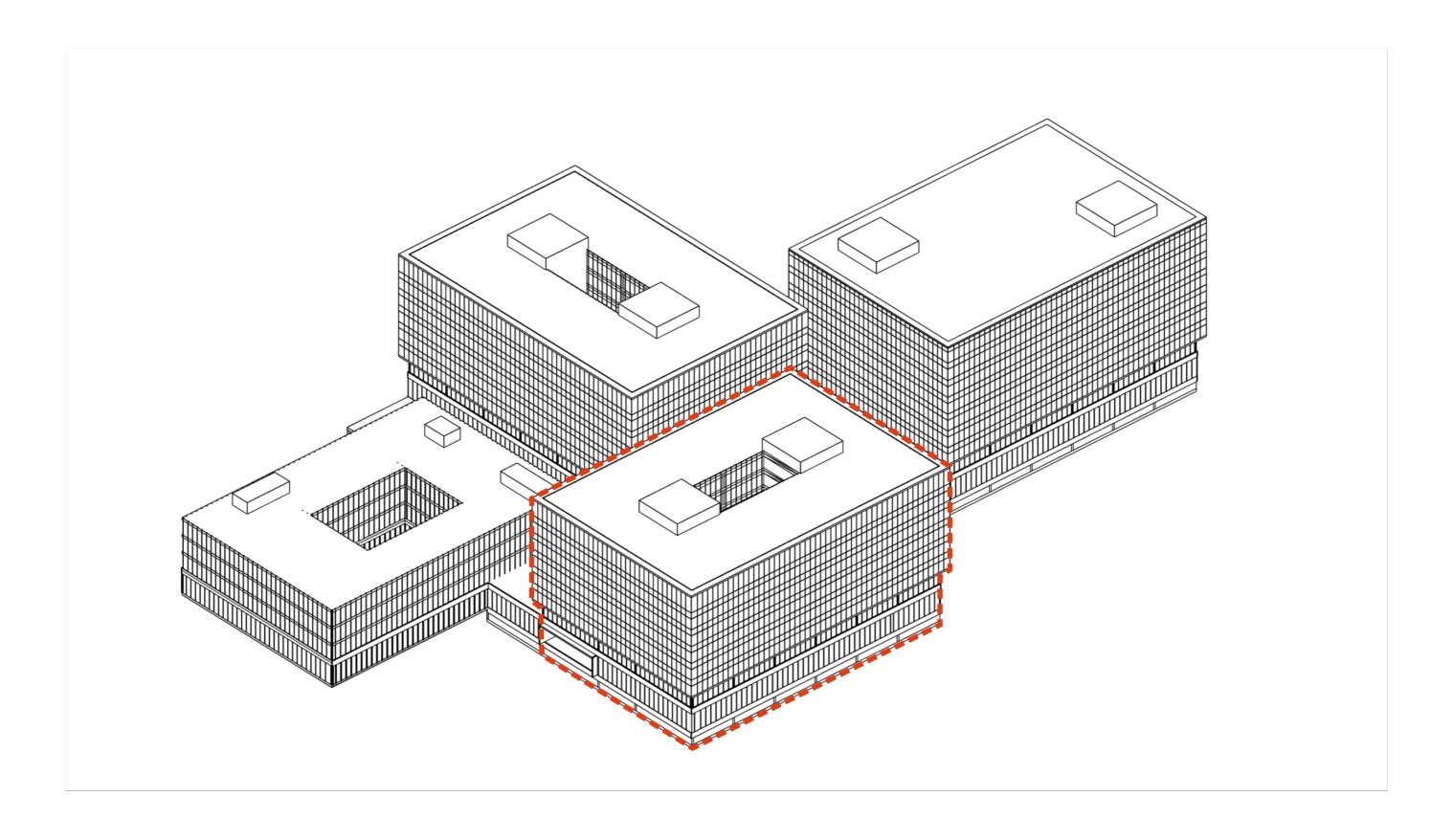


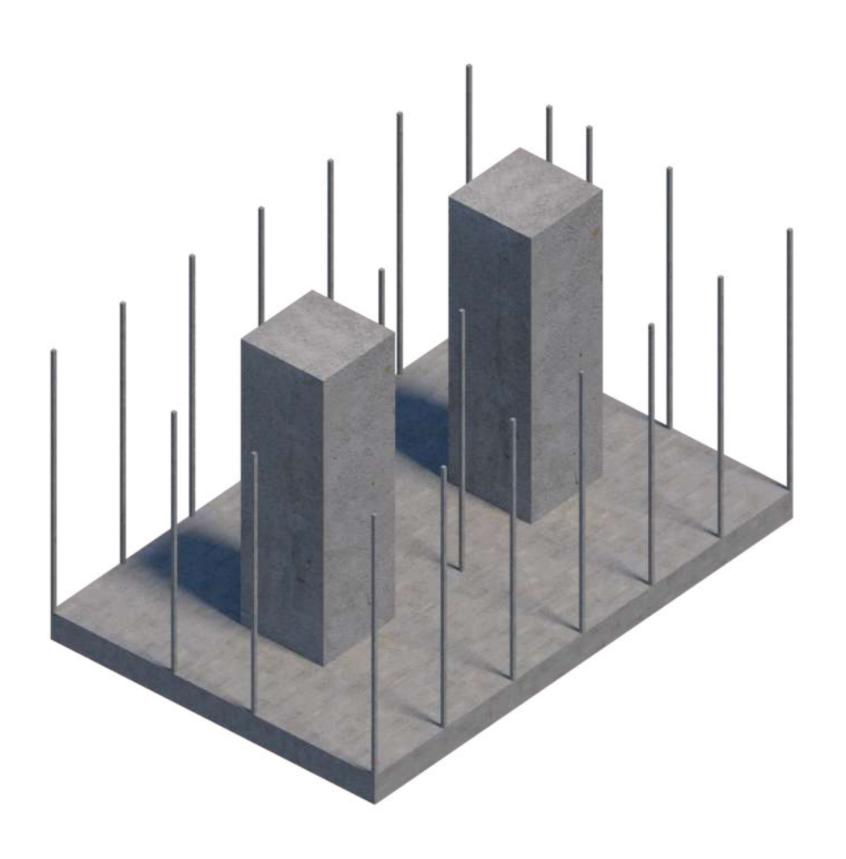
Construction grid ground floor

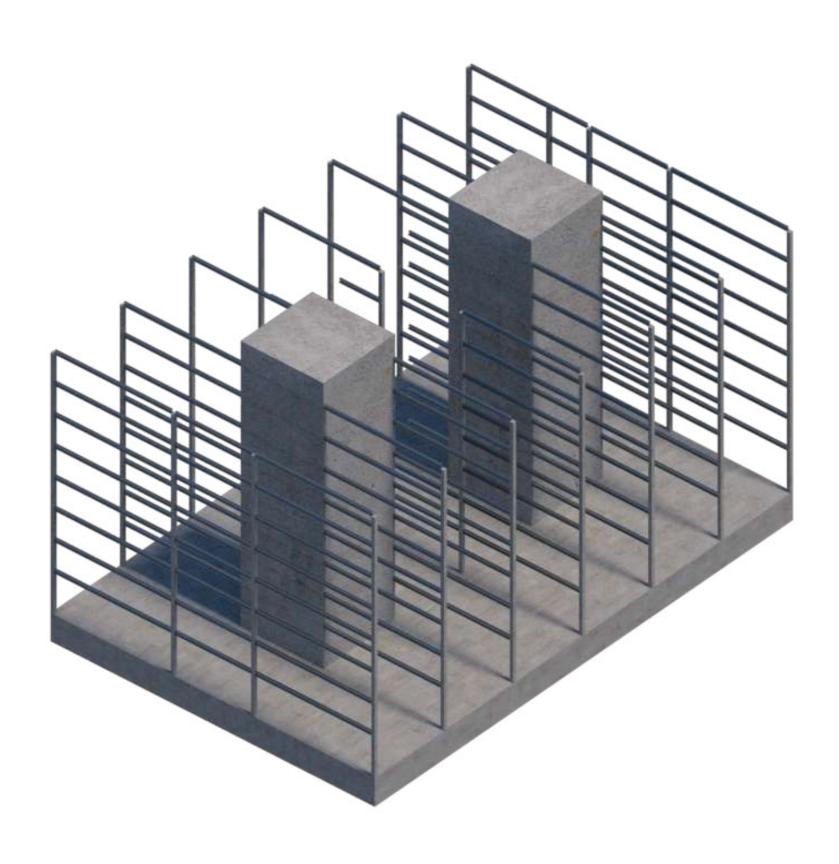


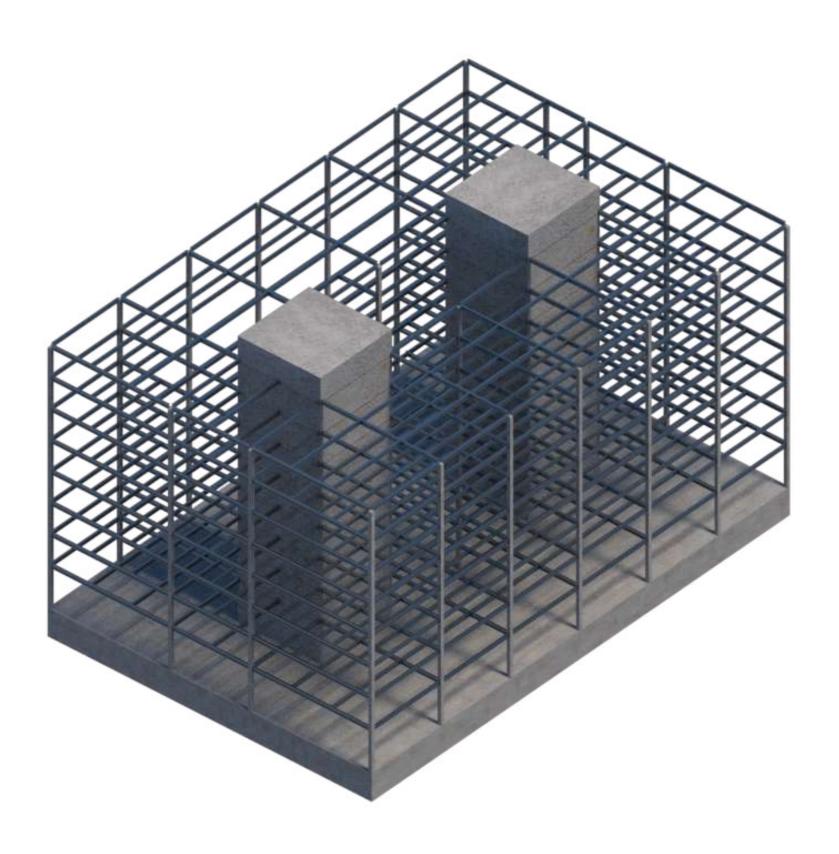
Construction grid ground floor

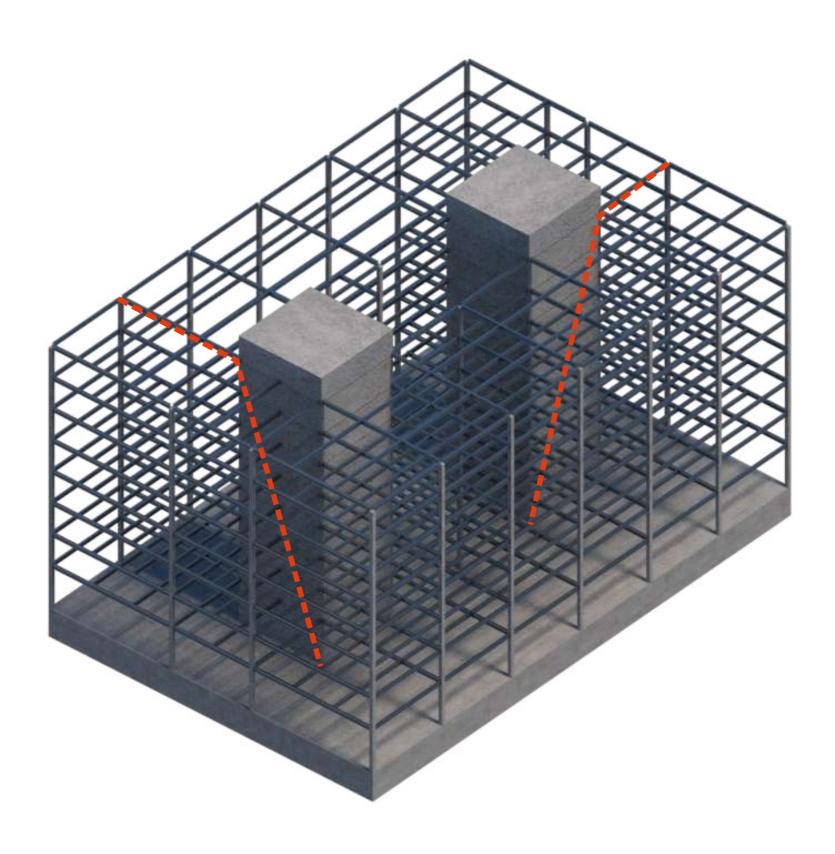


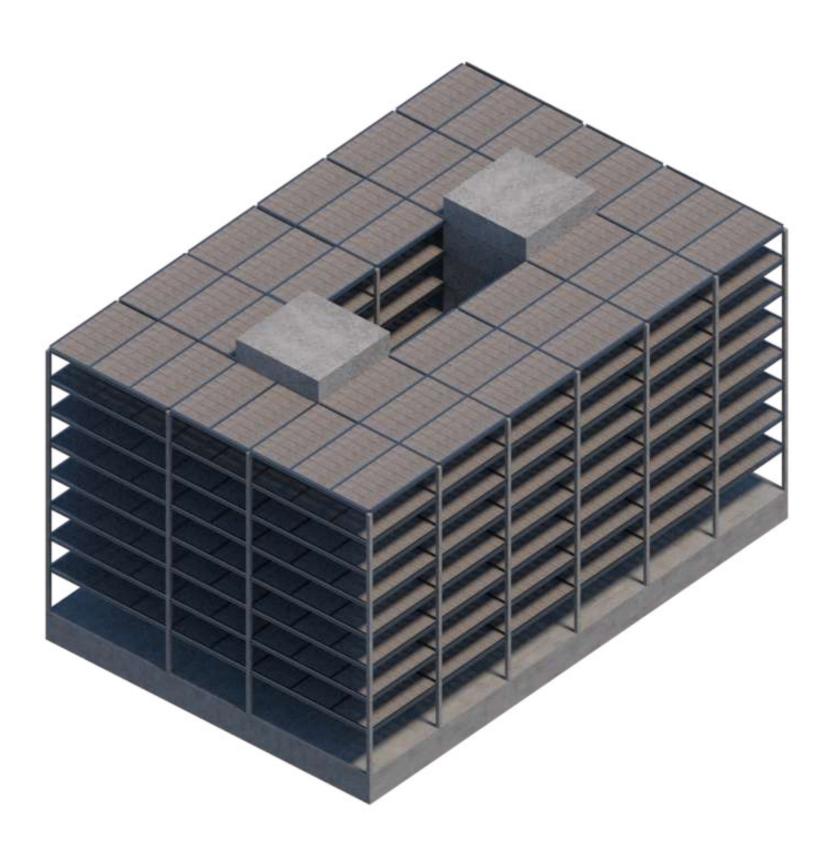


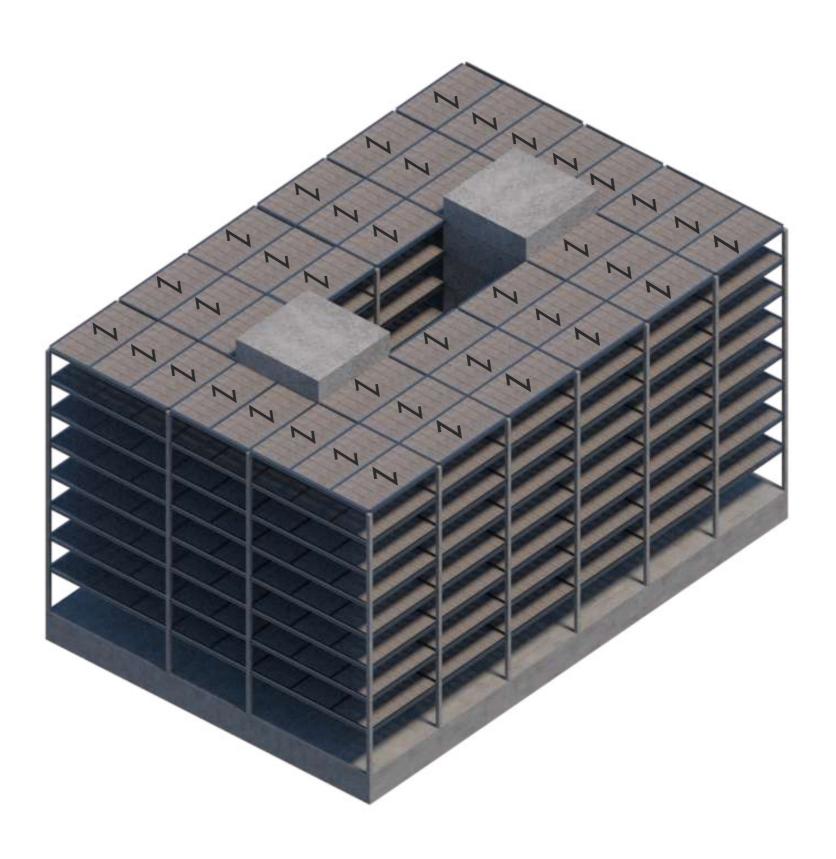


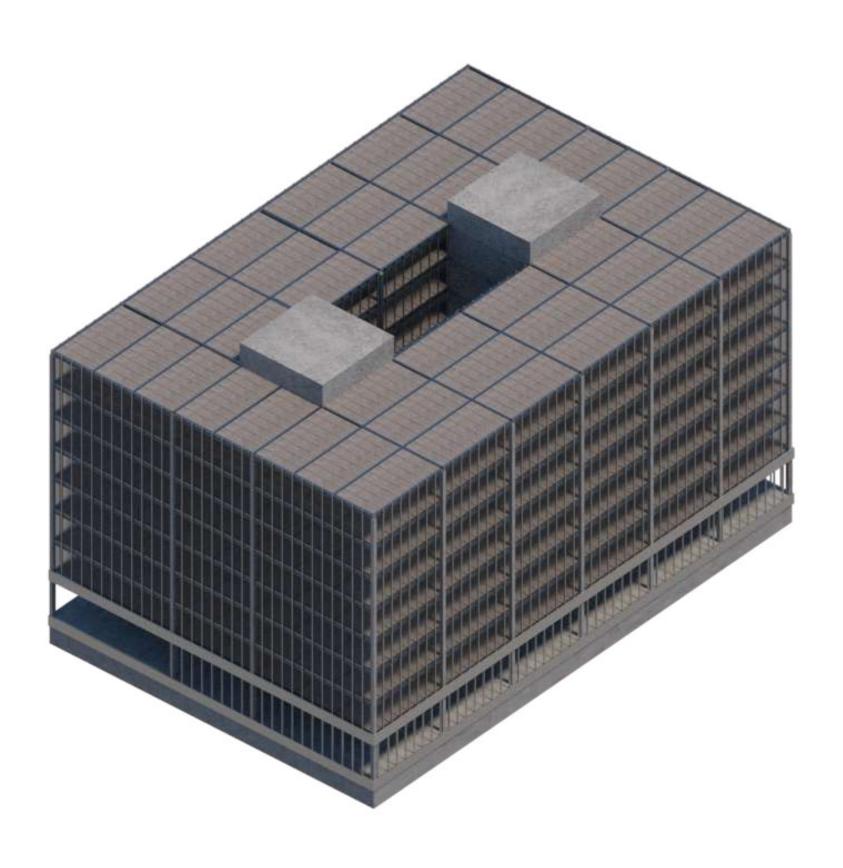


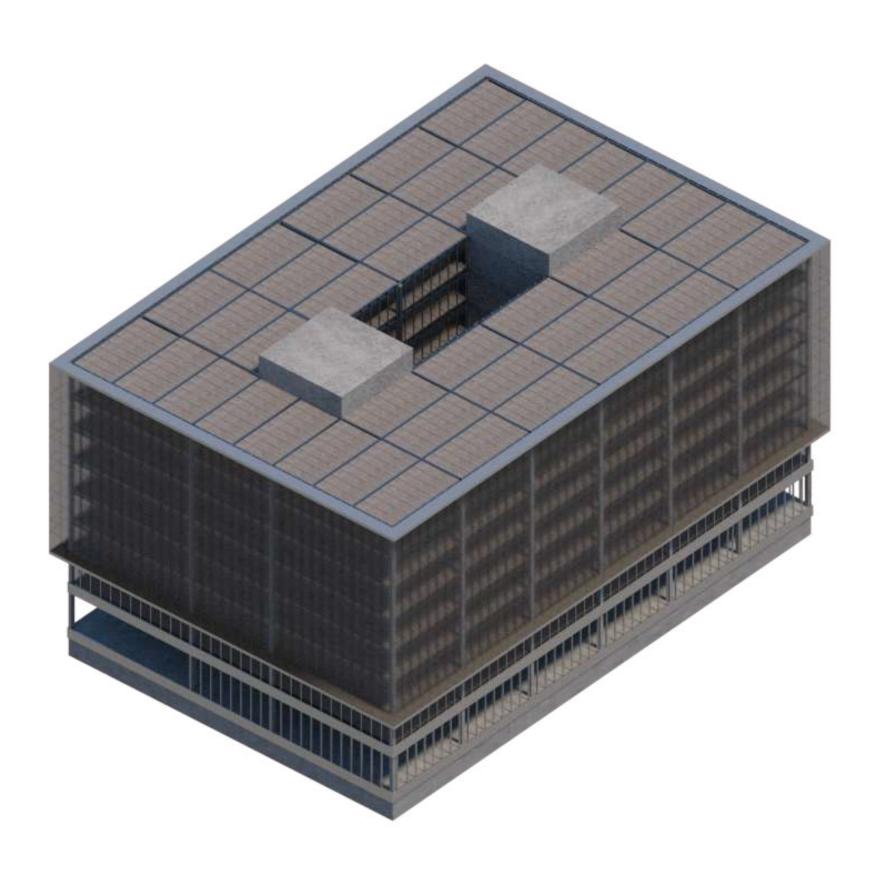




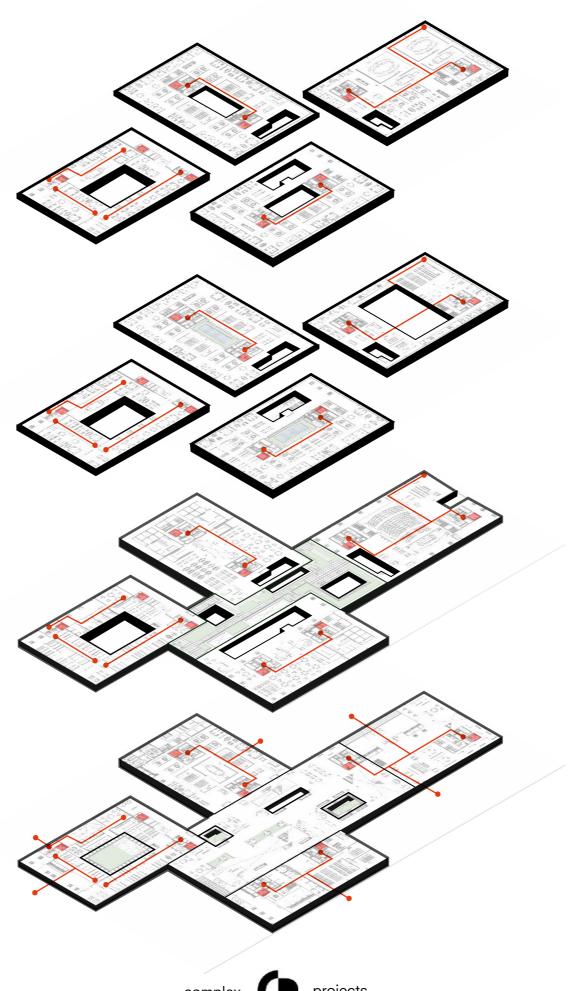






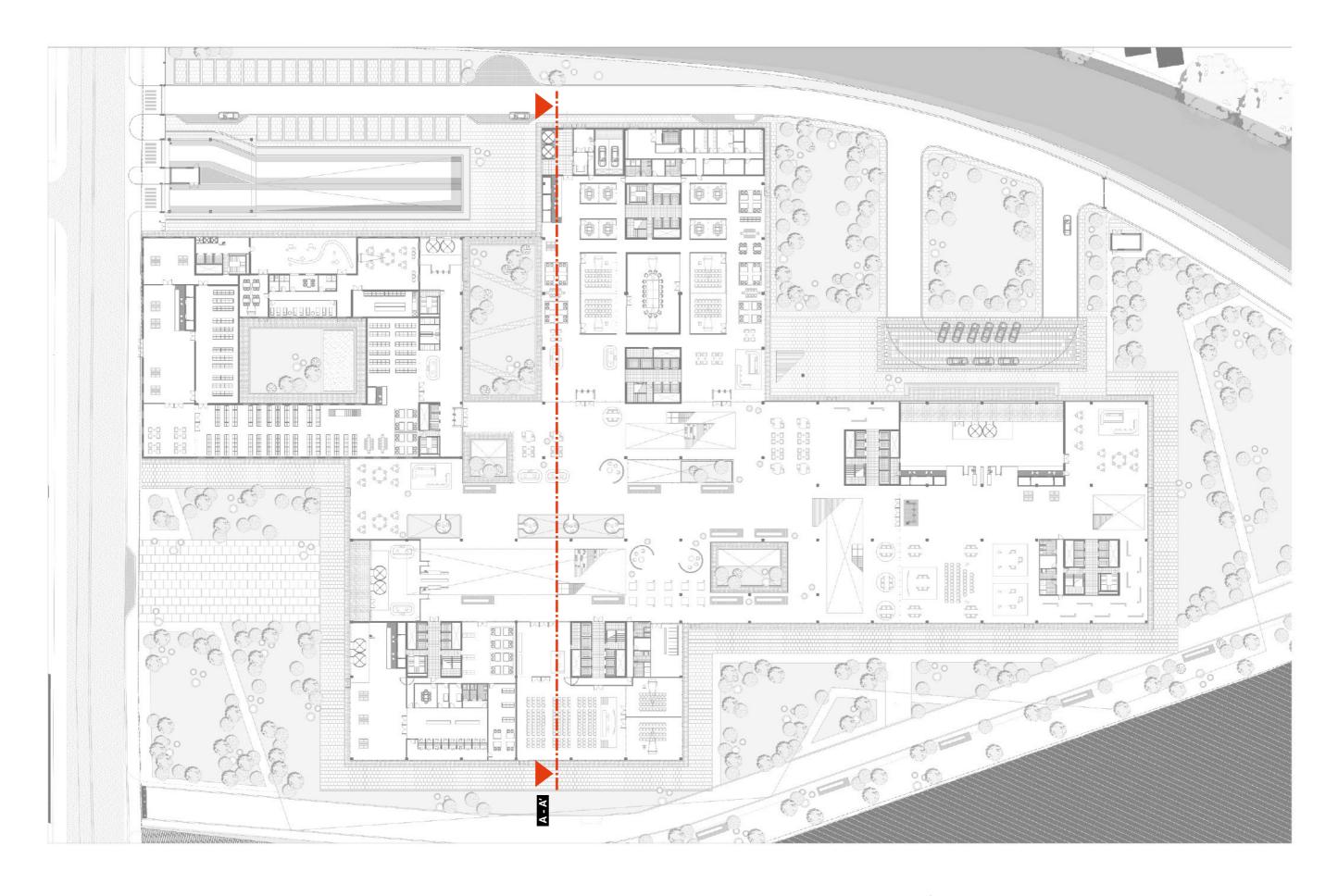


Fire compartment and escape route

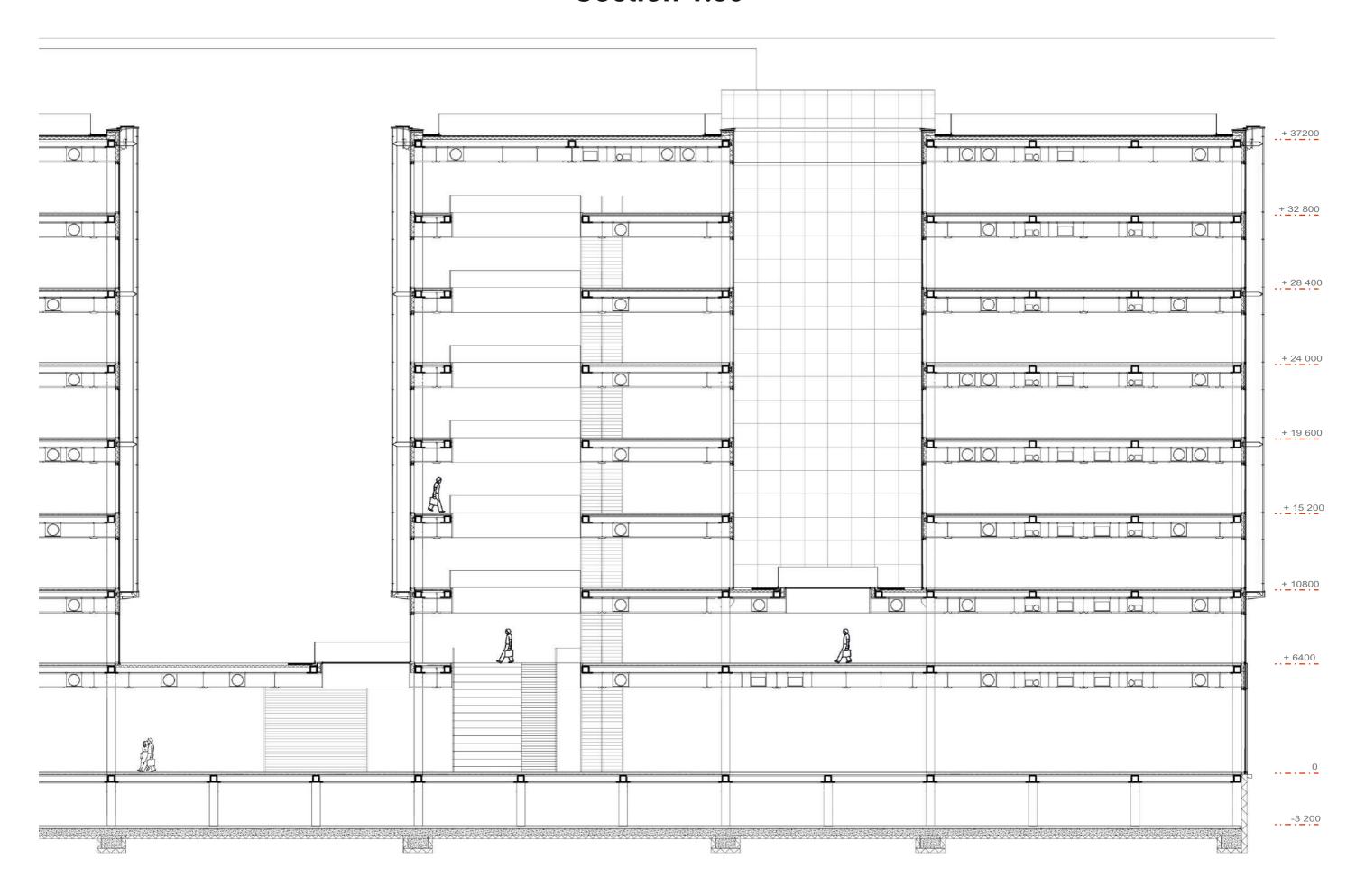




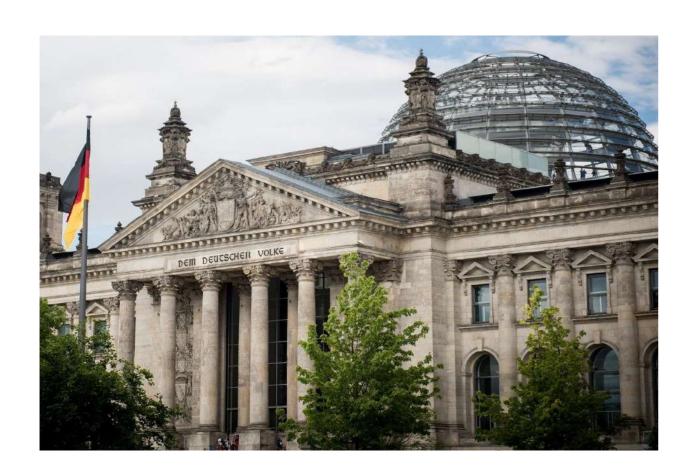
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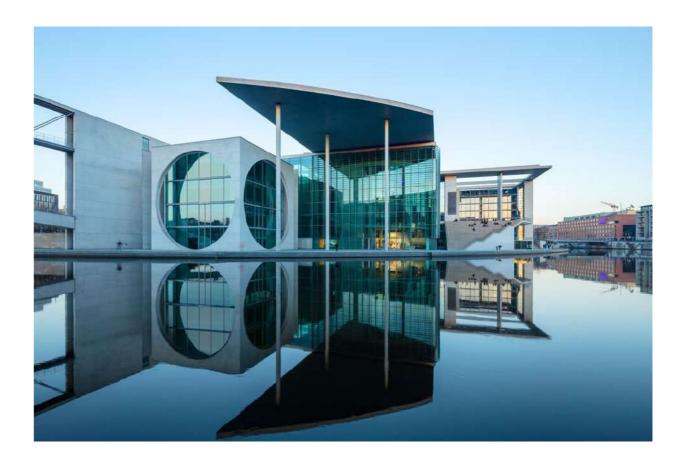


Section 1:50



Materialization









Development

Materialization

Interiour



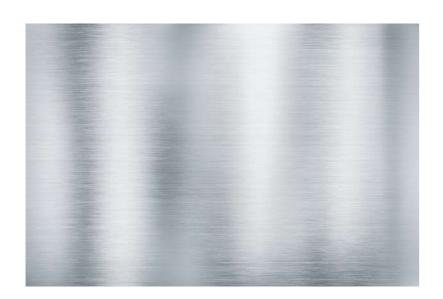
Granite



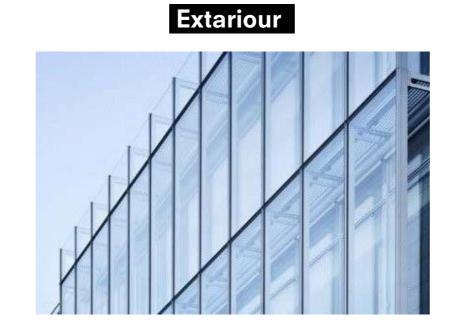
Wood



Marble



Stainless steel



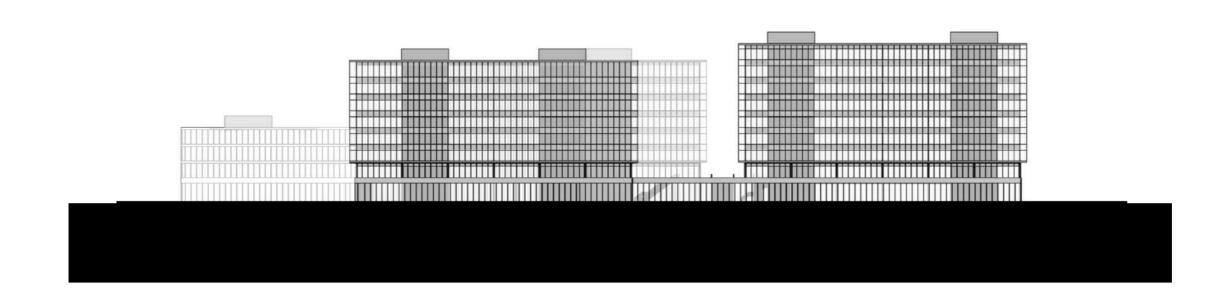
Curtain wall



Green roofing

South facade







Stainless steel facade elements



Curtain wall

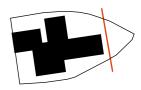


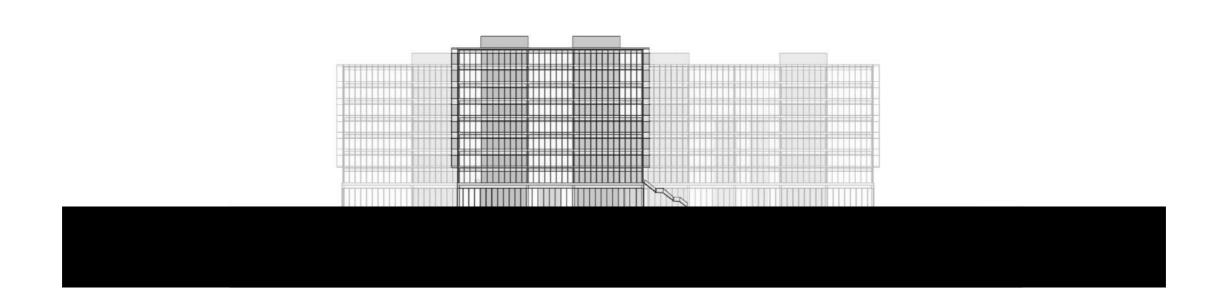
Natural stone outdoor tiles



Green roofing

East facade







Stainless steel facade elements



Curtain wall

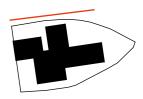


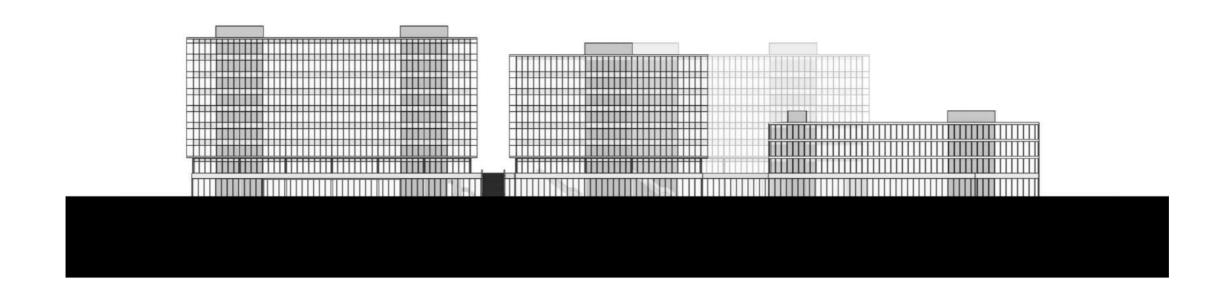
Natural stone outdoor tiles



Green roofing

North facade







Stainless steel facade elements



Curtain wall

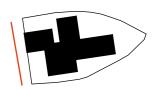


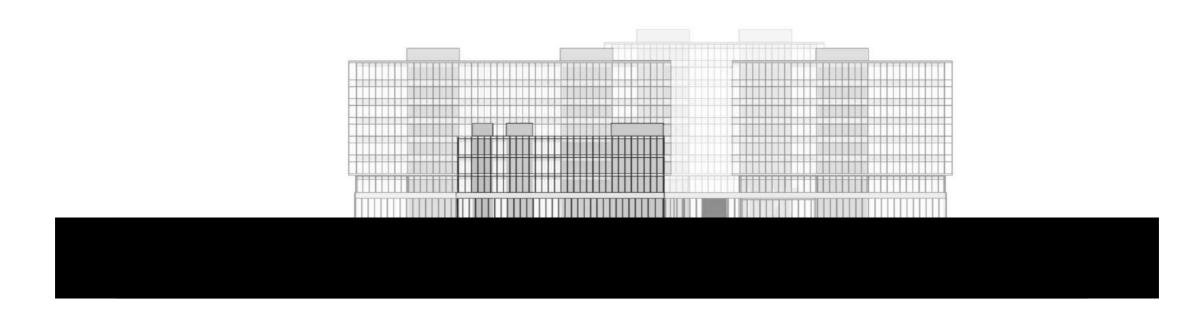
Natural stone



Green roofing

West facade







Stainless steel facade elements



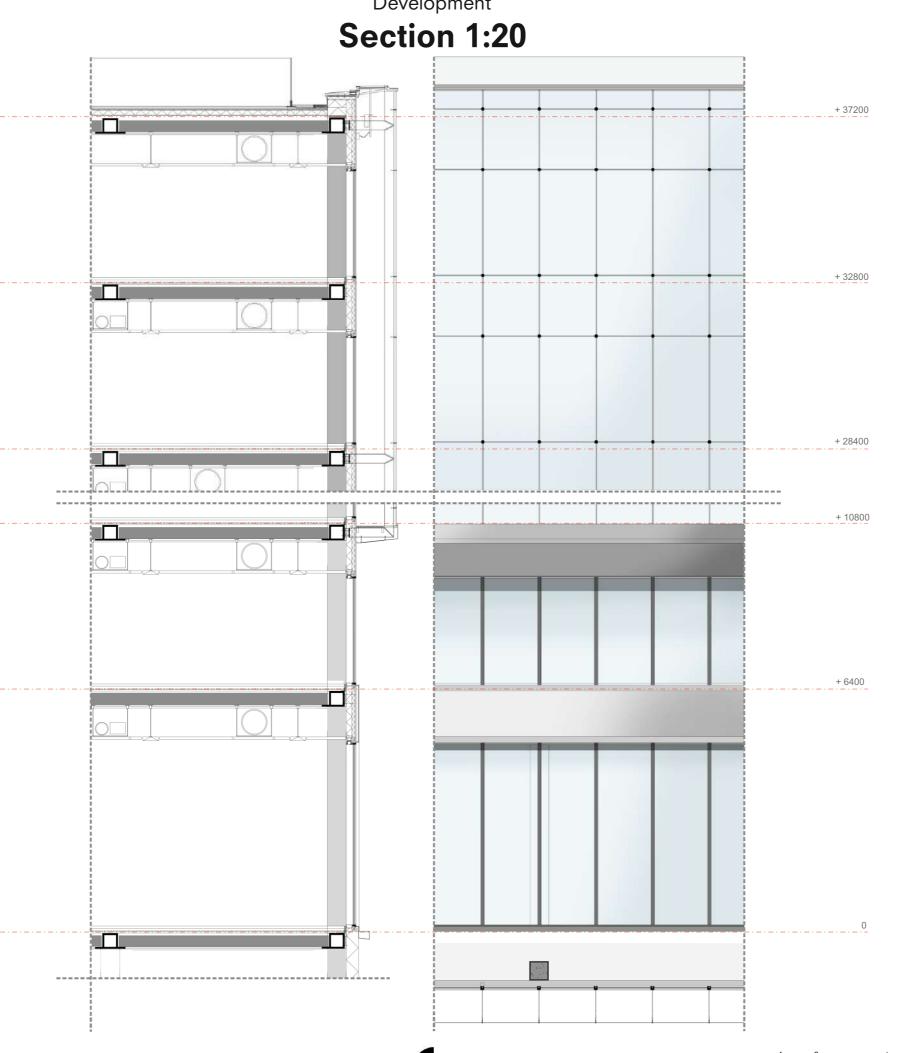
Curtain wall



Natural stone outdoor tiles



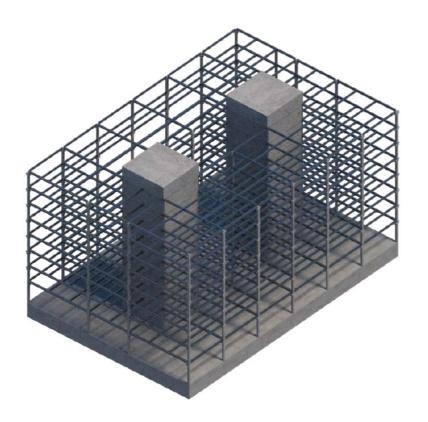
Green roofing

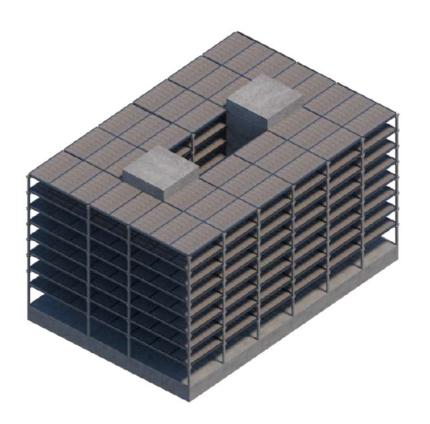


Facade impression



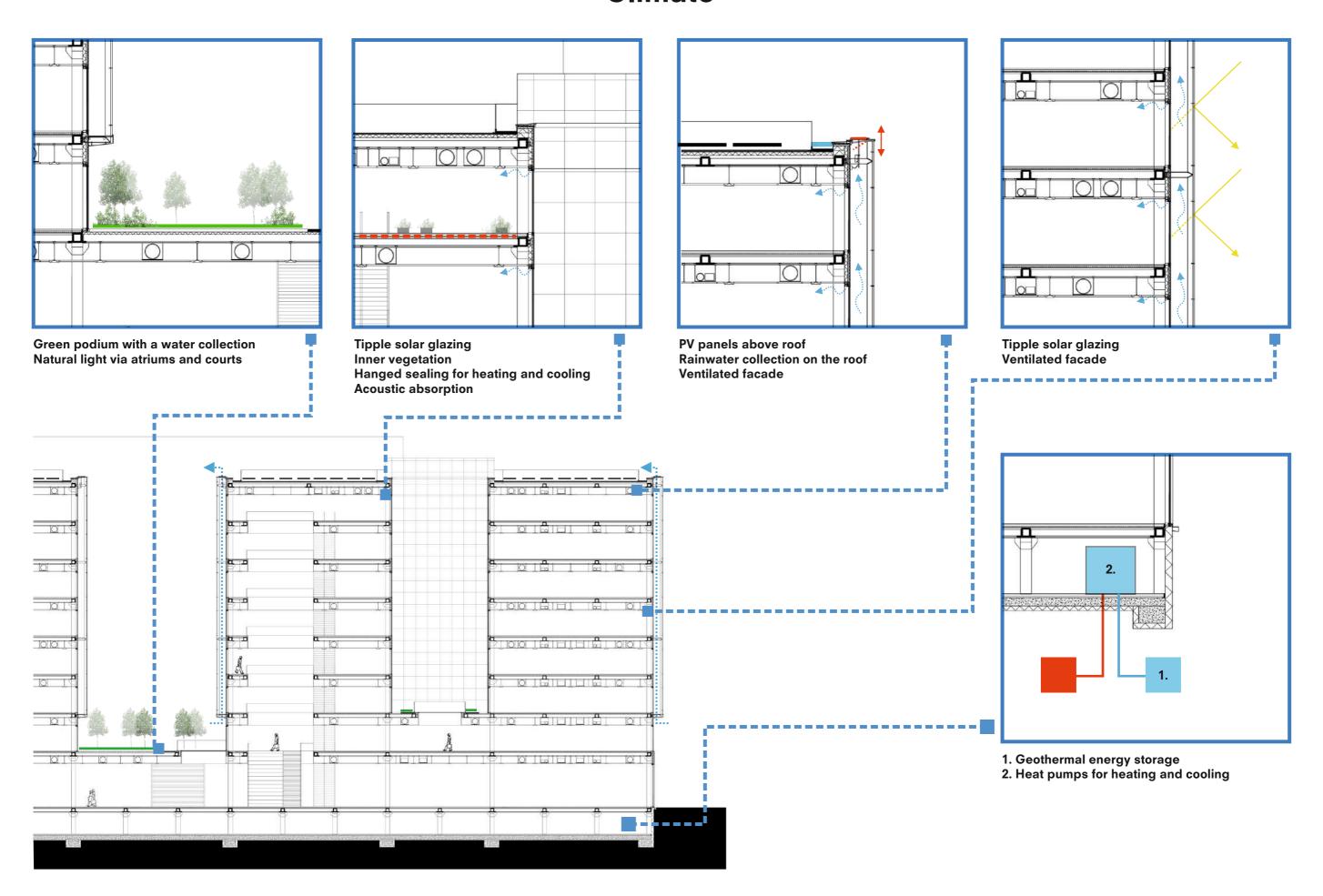
Thinking 10 Years Ahead



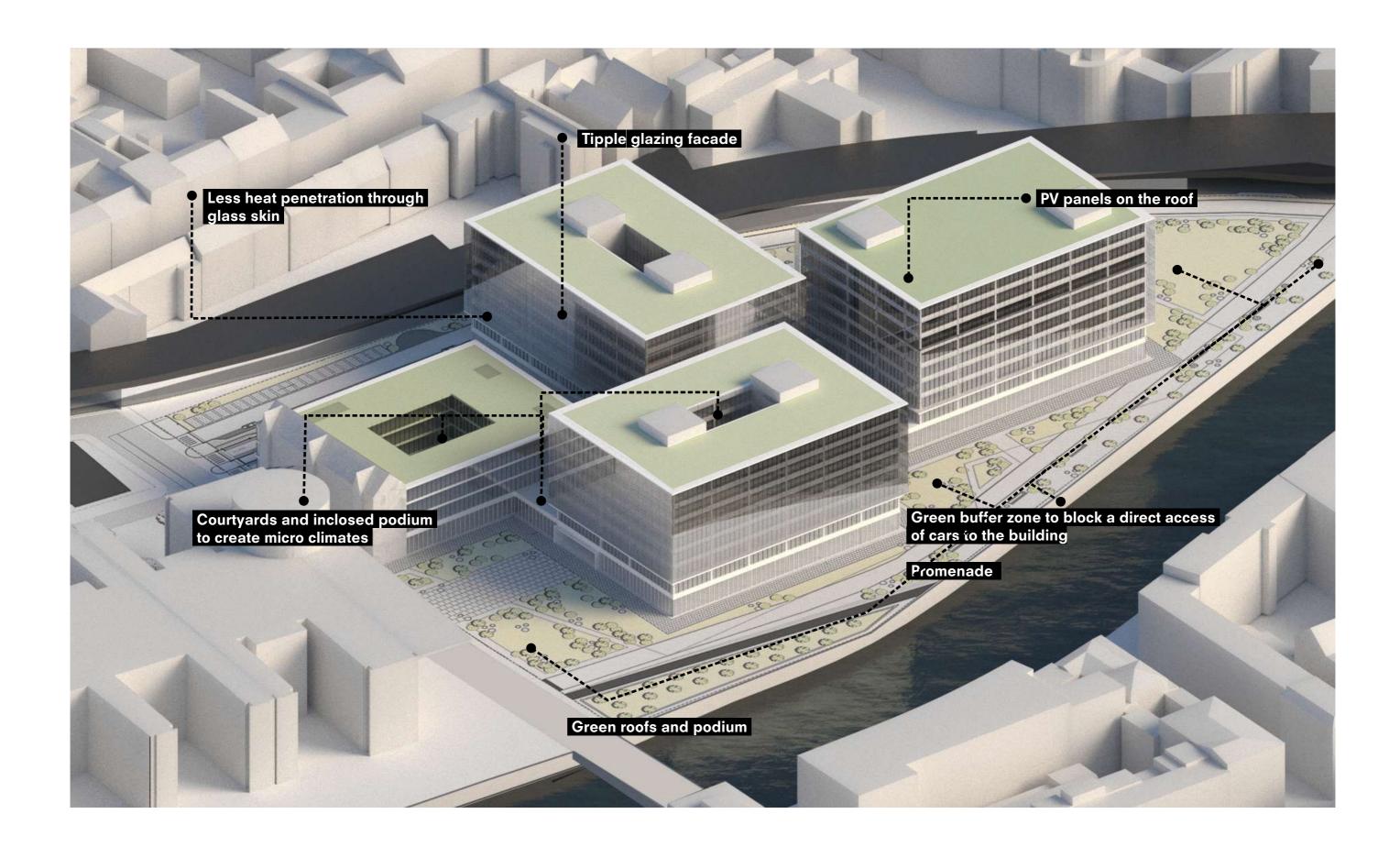


TRANSFORMATION POSSIBILITIES OF A FLOOR PLAN

Climate



Climate



- 1. INTRODUCTION
- 2. RESEARCH
- 3. DESIGN

CONCEPT IMPLEMENTATION DEVELOPMENT

5. CONCLUSION

Conclusion

Research question

How does servant space evolve in the government building to increase architectural performance?

Federal Foreign Office, Berlin



Federal Foreign Office, Berlin



Implementation Federal Foreign Office, Berlin



Federal Foreign Office, Berlin



Thank you