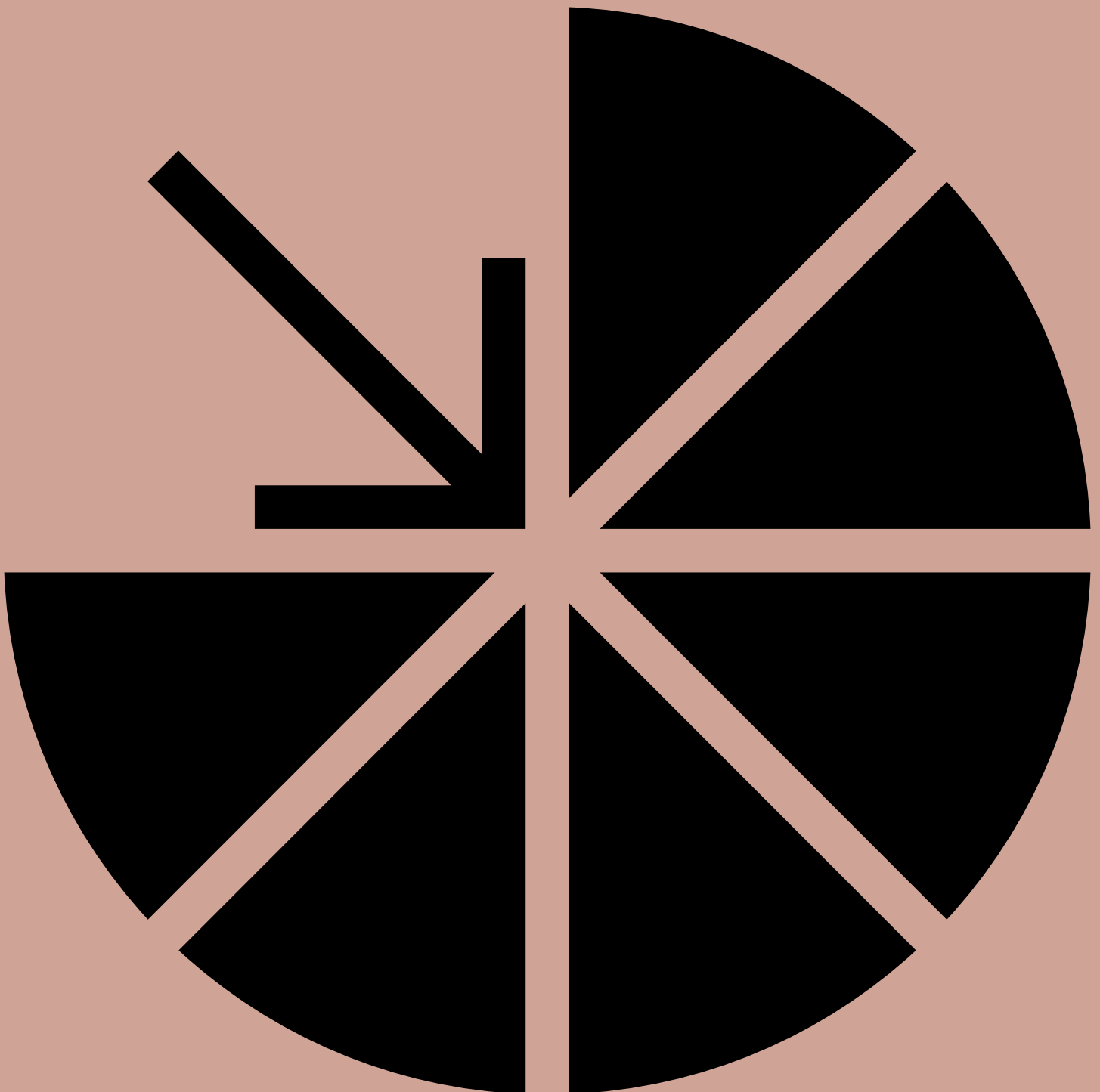
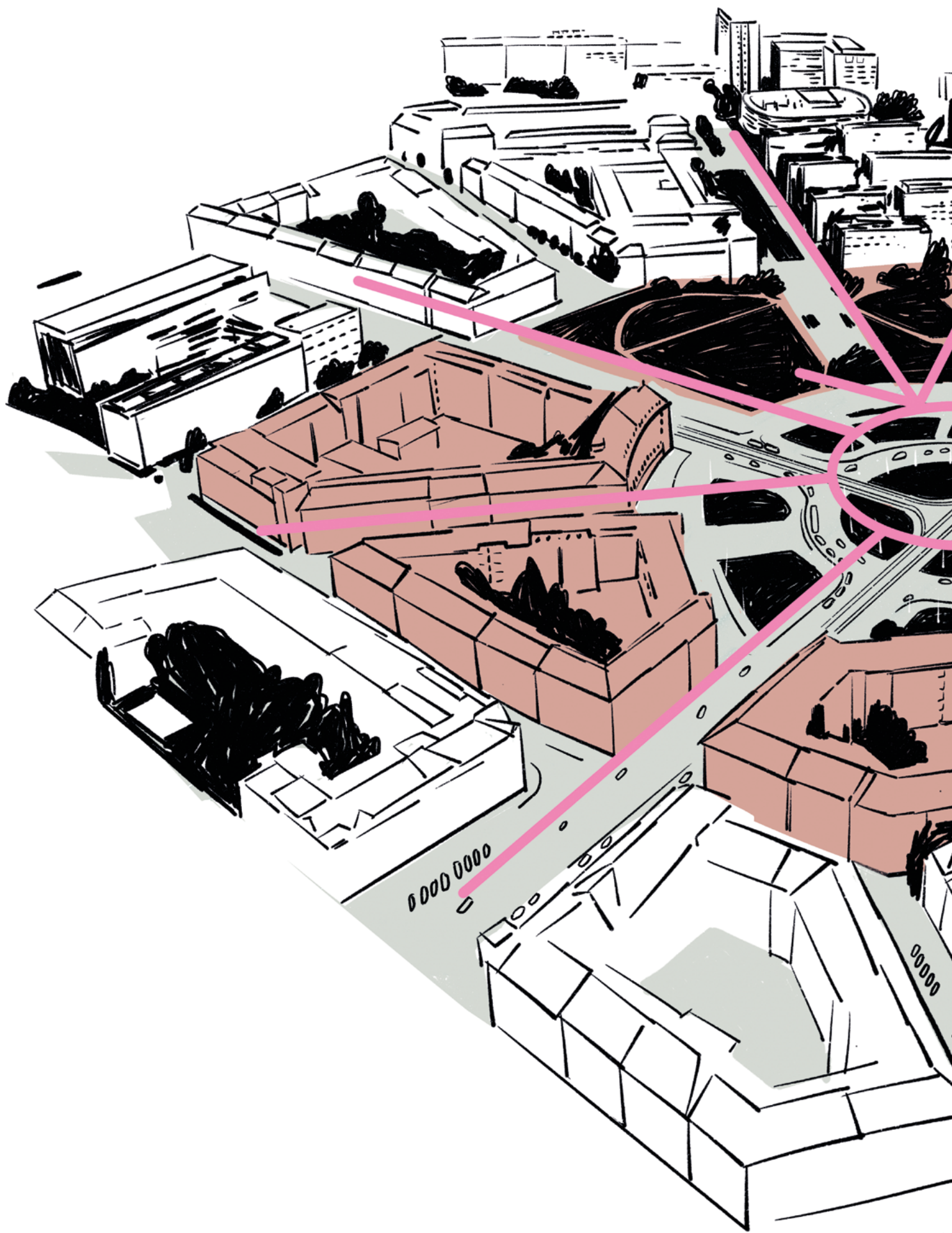
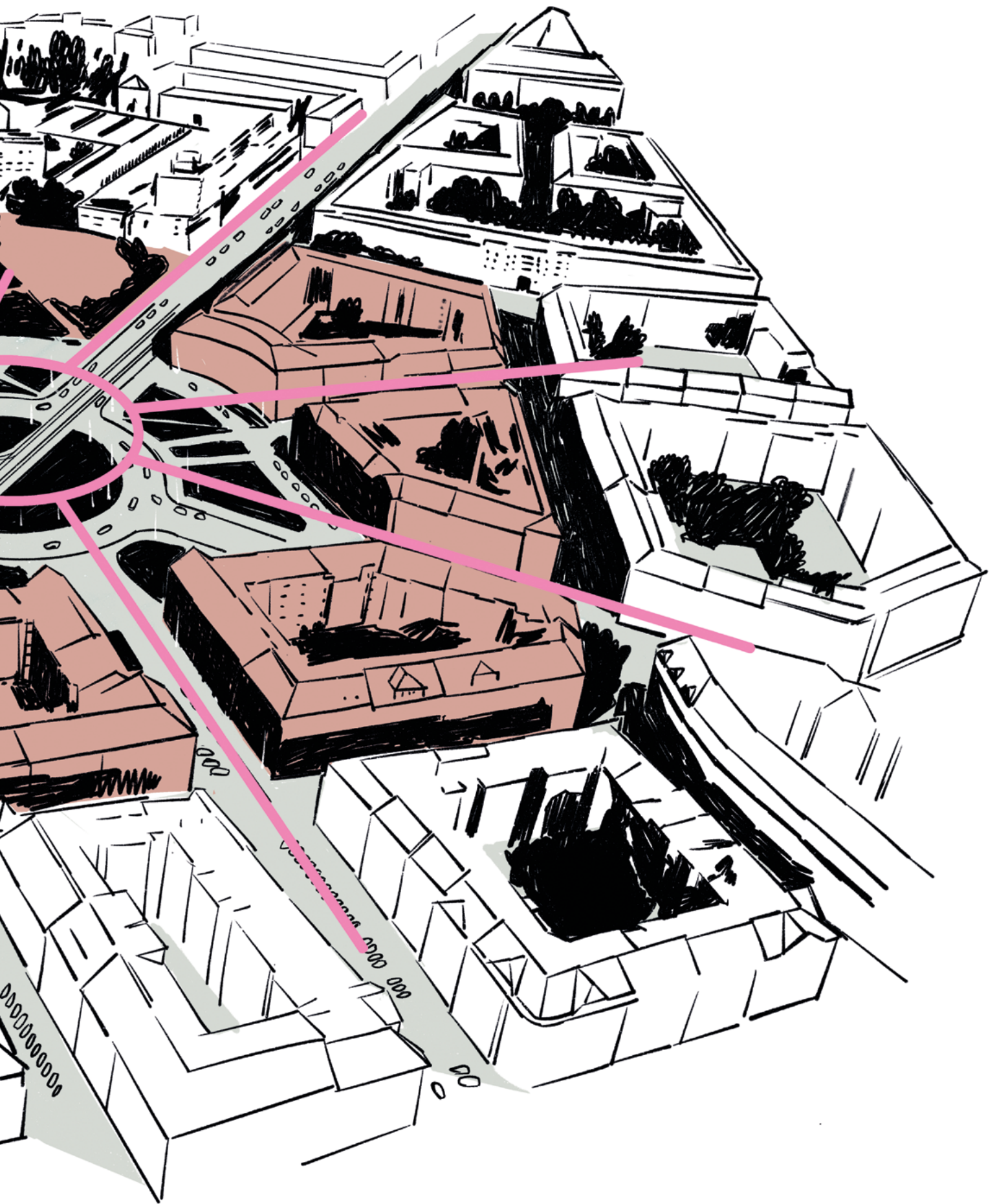


**International
Architectural Competition
4th Quadrant
of Victory Square
Prague – Czech Republic
Competition Brief**







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International
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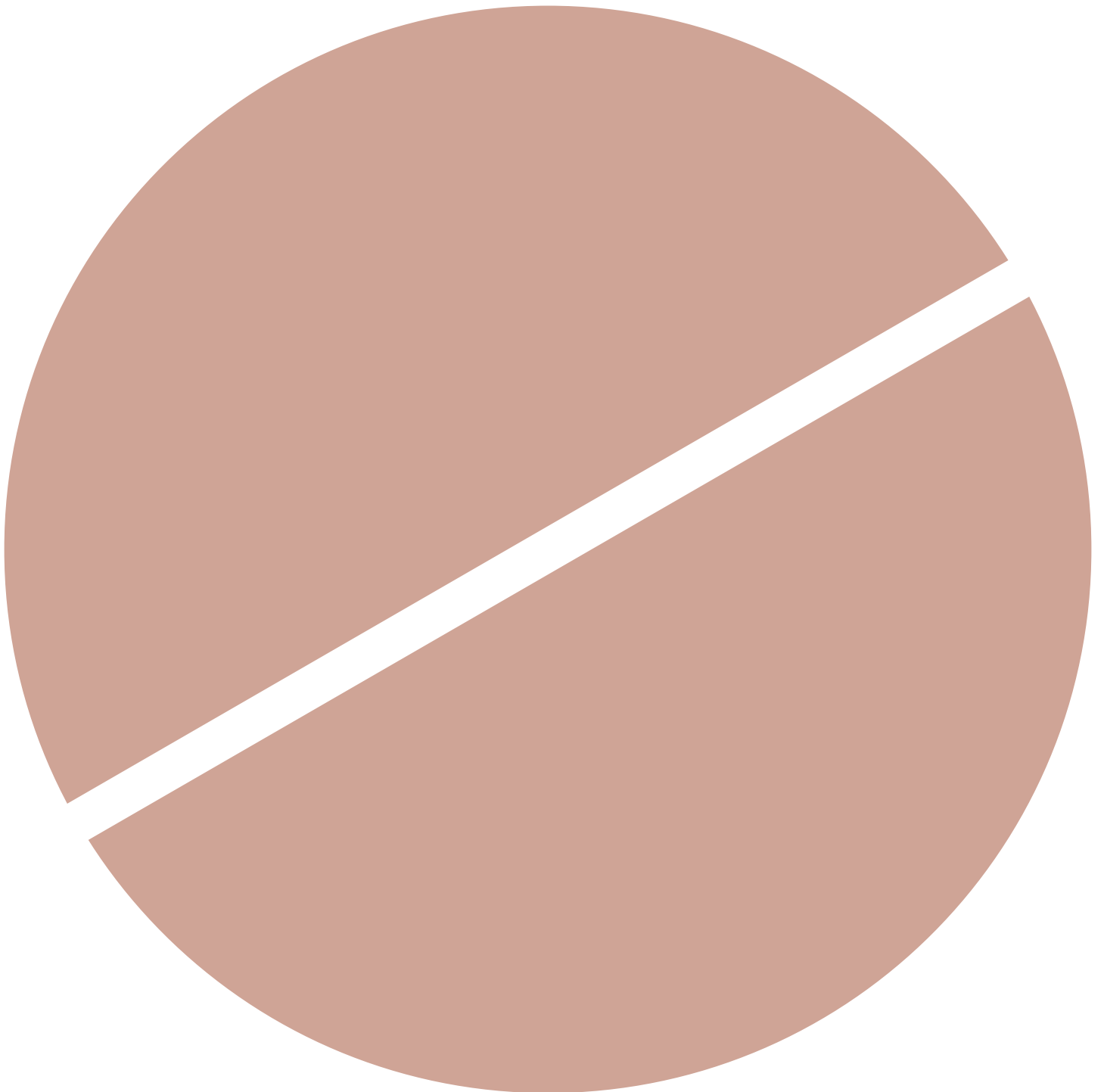
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1 Introduction



100 years ago, architect Antonín Engel designed the master plan for the new Dejvice district. It was four years after the foundation of independent Czechoslovakia, of which Prague became the capital. The capital of the new economically advanced democratic state in the heart of Europe needed a new district to house important state institutions as well as housing for its rapidly growing population.

The master plan for Dejvice celebrated victory, freedom and modernity, the social progress of which the new Czechoslovakia was a symbol for Europe and the world in the 1920s. Technical universities played an important role, modernity was based on scientific knowledge. The importance of the technical universities for the society of that time is also evident from their prominent location in Engel's generous master plan. They are the climax of his play with geometry of blocks and open spaces.

One hundred years later, the leadership of the City of Prague is committed to the same values of democracy, freedom and social and economic progress based on scientific knowledge. In these months, we are more aware than ever of the importance of these values and the need to anchor them firmly in the minds of all of us. The completion of the 4th quadrant of Victory Square should thus add the final touch to the legacy of Antonín Engel and confirm the validity and importance of the values of the First Republic. This should be achieved through the architectural expression of the present times and the latest knowledge of sustainable urban development.

Even though the site development is carried out by the private sector, there should be a democratic place that offers new opportunities to all social groups. A place that links scientific knowledge with economic and social life, a place that promotes community life and civic engagement. During the First Republic, thanks to the financial strength of Czech industry, multifunctional buildings with arcades and cultural halls were built, which performed this commercial and social role well and still do so even today. I am convinced that in the 21st century we can build on this tradition and create an amazing place that will be a destination in its own right and a popular place for today's residents.

On behalf of the Prague City Council, I would like to thank the Chairman of the Committee for Spatial Development, Petr Zeman, and all my colleagues from the Prague City Council, the Prague 6 Municipal District,

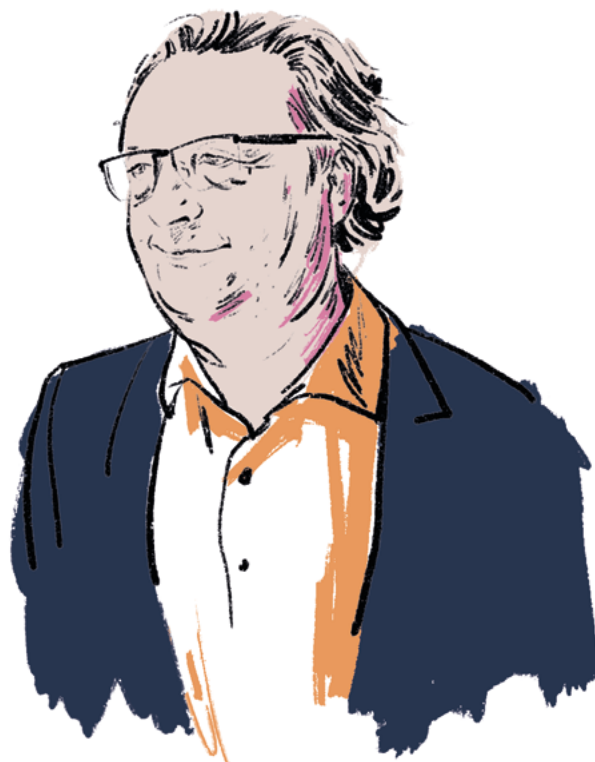
the Prague Institute of Planning and Development, the National Heritage Institute, universities from the Dejvice campus and all others involved in the preparation of the competition.

I am pleased that in four years we have moved from internal competitions of developers behind closed doors to open dialogue. As for the 4th Quadrant, the developers approached the City of Prague right from the start and wanted to work together on finding an architectural design. I would like to thank the team of the planning office ONplan for the perfect setup of the process of preparing and organising the competition. And, last but not least, I thank the investor – the Fourth Quadrant company which is the competition client for the future development of the 4th Quadrant. I also thank the University of Chemistry and Technology. Without their support the competition would not have been possible.

I am looking forward to discussing the development of Dejvice city centre with the competition teams.

Petr Hlaváček

First Deputy Mayor of the City of Prague



From the earliest beginnings of the modern Dejvice district, Victory Square was intended for buildings of citywide importance. However, this intention has never fully materialised. Today, the completion of the 4th quadrant of the square represents a unique and probably the last opportunity to emphasise the importance of Victory Square as the centre of commercial and civic amenities in Dejvice and Bubeneč.

This is a crucial project for Prague 6, which is why we were actively involved in the debates about the future of Victory Square and in the preparation of the Competition Brief. We are pleased that the public had the opportunity to express their opinions – that is, the people of Prague 6, who are in touch with the area of Victory Square almost every day. We are also pleased that their opinions were reflected in the Competition Brief.

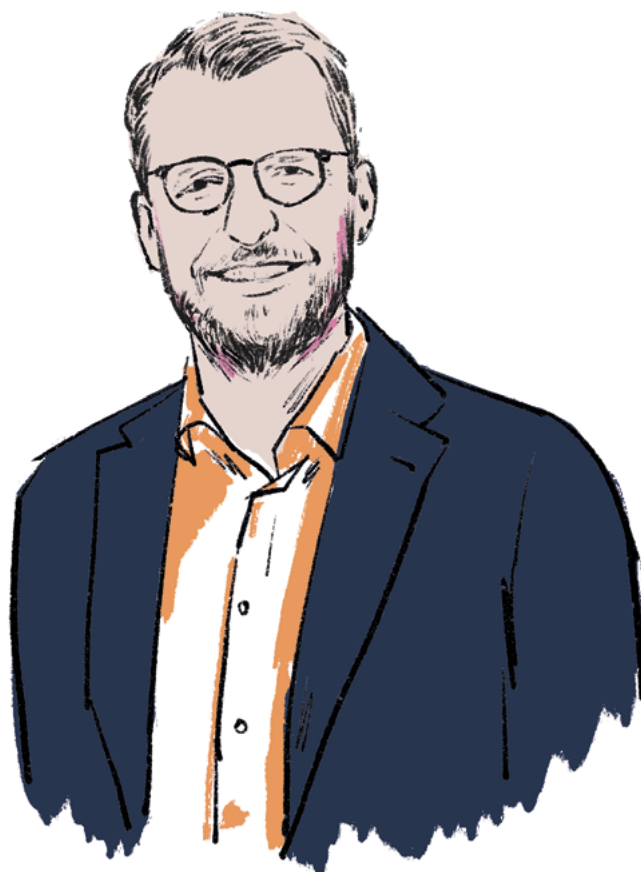
The development of the 4th quadrant should lead to the transformation of Victory Square and its immediate surroundings from a busy transport hub into a place where people will enjoy living, studying, working, and meeting friends. We expect that the new university building in the 4th quadrant will bring more students to Victory Square and will naturally merge with the planned development of the nearby Dejvice campus, thus offering new opportunities for student and community life. We also wish to enhance civic amenities in the form of a cultural and social centre, shopping arcades and a modern, user-friendly marketplace.

At the same time, Prague 6 is interested in bringing high quality architecture to Victory Square, which will further underline the values of the area and enhance this location. We are therefore pleased that the investor in the development of the 4th quadrant – the Fourth Quadrant Company, has met our requirement and will seek the form of the future development by means of an international architectural competition, which will take place in the form of a competition workshop.

I am looking forward to a dialogue with the competition participants and will be happy to share with them how the district of Prague 6 and its residents view the envisaged future shape of Victory Square. I believe that the competition will produce some high quality proposals that will be a pure joy to choose from, and together we will contribute to the crucial development of this site, from which not only the current generation, but also future generations, will benefit.

Jakub Stárek

Vice-mayor, Prague 6 Municipal District



Dear Competition Participants,
let me thank you for your decision to participate in the international architectural competition for the development of the 4th Quadrant of Victory Square.

After many years, the ownership rights to the land subject to this competition have been resolved, thus enabling the development of the site. The current owner of the land is a consortium of strong development companies that have extensive experience in developing large areas in Prague. The renowned University of Chemistry and Technology also owns part of the site. All the owners tackle this challenging task with a great deal of respect and responsibility, and all of them have the confidence of the Prague City Council and the Prague 6 Municipal District that they will put their best effort and the utmost commitment to this task and will strive for the best possible result – that is a new part of the city of a high urban and architectural quality where the buildings will provide to their occupants and users all the comfort and facilities, while at the same time there will be a generous and good quality public space in which people will feel comfortable.

This site, which was included in the 1922 architect Engel's Master Plan, has never been built up. It is a site that, although it is quite distinct, is undoubtedly still affected by Engel's town plan, as is the adjacent university campus. At the same time, its development highly depends on its present role in the life of this town district, on transport facilities and other infrastructure. This unique development area, which is exquisite for its location in the very centre of Prague 6, should become the new cultural and commercial centre of this important Prague district. You are challenged by the difficult task of finding the most appropriate mix of uses for this area and an adequate urban and architectural solution for this site.

In the past, Penta Real Estate, as one of the consortium members, had extremely positive experience with the outcome of international architectural competitions. We have tested in practice that it is the open competition that brings the best ideas and inventive solutions. Because we are aware of the importance of the 4th Quadrant in the context of the district as well as the entire city of Prague, and because we want to maintain the high standard of our projects, we decided, together with the other partners, Sekyra Group and Kaprain, to search for the best designs, and therefore organise this international competition. We believe that the inventiveness, know-how and experience of the competition participants will produce exceptional designs that will help us build an outstanding part of Prague.

We wish you many wonderful ideas and we look forward to your proposals.

Petr Palička

Country Managing Director Czech Republic,
Penta Real Estate s.r.o.



The University of Chemistry and Technology in Prague has been located on the Dejvice campus for almost 90 years. The existing university buildings were built in the first half of the 1930s according to the master plan designed by Antonín Engel in which the Czech Technical University was located to Prague-Dejvice. The generously sized, grand building designed in the neo-classical style by architects Ondřej Severín (building A) and Theodor Petřík (building B) are the only buildings on the campus that strictly follow the Engel's master plan. In 2020, the two buildings were connected by footbridges designed by the architectural studio OV-A.

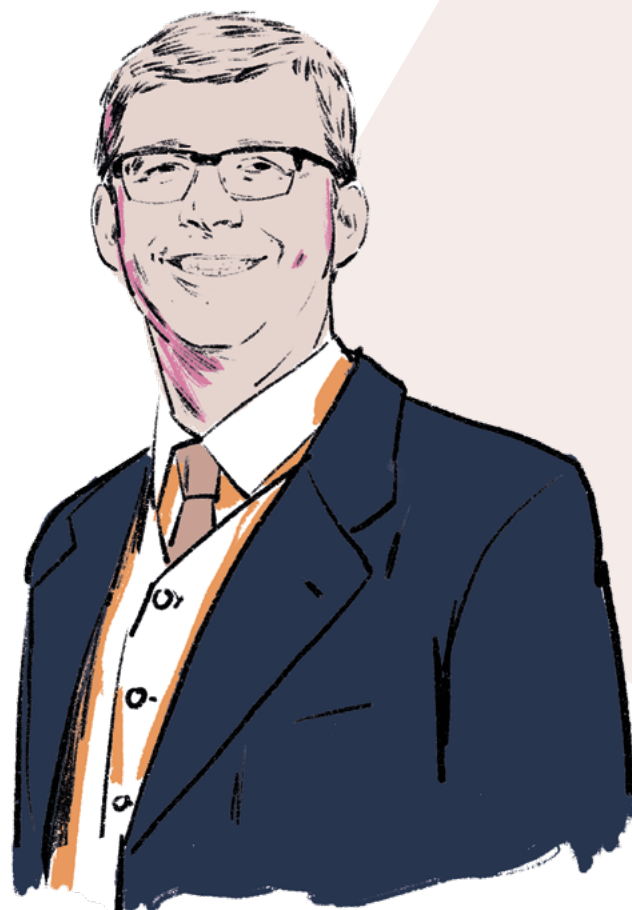
The new building of the University of Chemistry and Technology planned for the northwest quadrant of Victory Square will complement both existing historical buildings bringing a new synergy between them. It will provide more lecture rooms, some of which will be suitable for organising professional conferences; there will be studies and offices for teachers, researchers, and university administration. The University will also obtain new high-quality facilities for self-study and leisure activities of students and teachers as well as for the public. The building will be a representative entrance to the entire Dejvice university campus and at the same time it will organically connect the academic world with the public space and the lively city district.

I believe that our cooperation with the company Fourth Quadrant, the City of Prague, the municipality of Prague 6 and other stakeholders in the area and our joint search for shaping the remaining fourth quadrant with the help of an international competition is the right way in our quest for the most appropriate design of the University of Chemistry and Technology new central building as a modern and fully competitive research and technology facility in the national and international context.

On behalf of the University, I thank all those who participated in the preparation and organisation of the international architectural competition and I look forward to seeing interesting architectural and urban proposals, ideas and solutions that will be a benefit to the Dejvice academic campus.

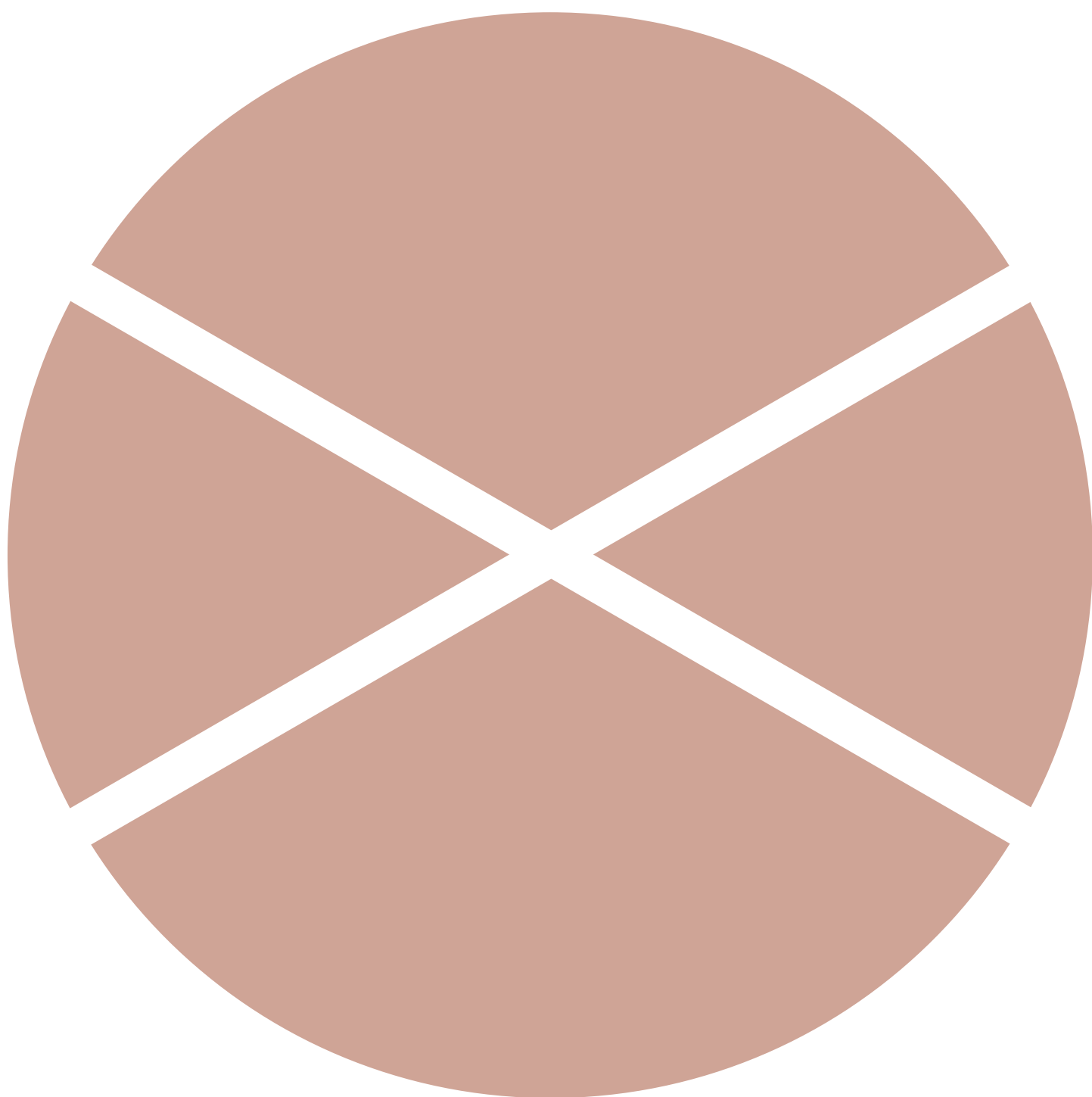
Milan Pospíšil

Vice-rector of the University of Chemistry and Technology in Prague





2 Scope of the Competition



The scope of the competition deals with finding the optimal architectural and urban design solution for the development of the area adjacent to Victory Square, specifically the plot defined by Jugoslávských partyzánů and Evropská streets. The purpose of the competition is to identify and reward a development proposal that respects Antonín Engel's master plan of Dejvice from 1924 and takes into account the contemporary requirements for a multifunctional development of the highest environmental standards, creating a place for a vibrant social, economic and cultural life of Prague 6.

The plans of the Fourth Quadrant company and the Prague University of Chemistry and Technology (VŠCHT) on the 4th Quadrant site shall be integrated into the existing plans of the City of Prague for the regeneration of Victory Square and for the regeneration of public spaces of the Dejvice Campus.

Fourth Quadrant's intention

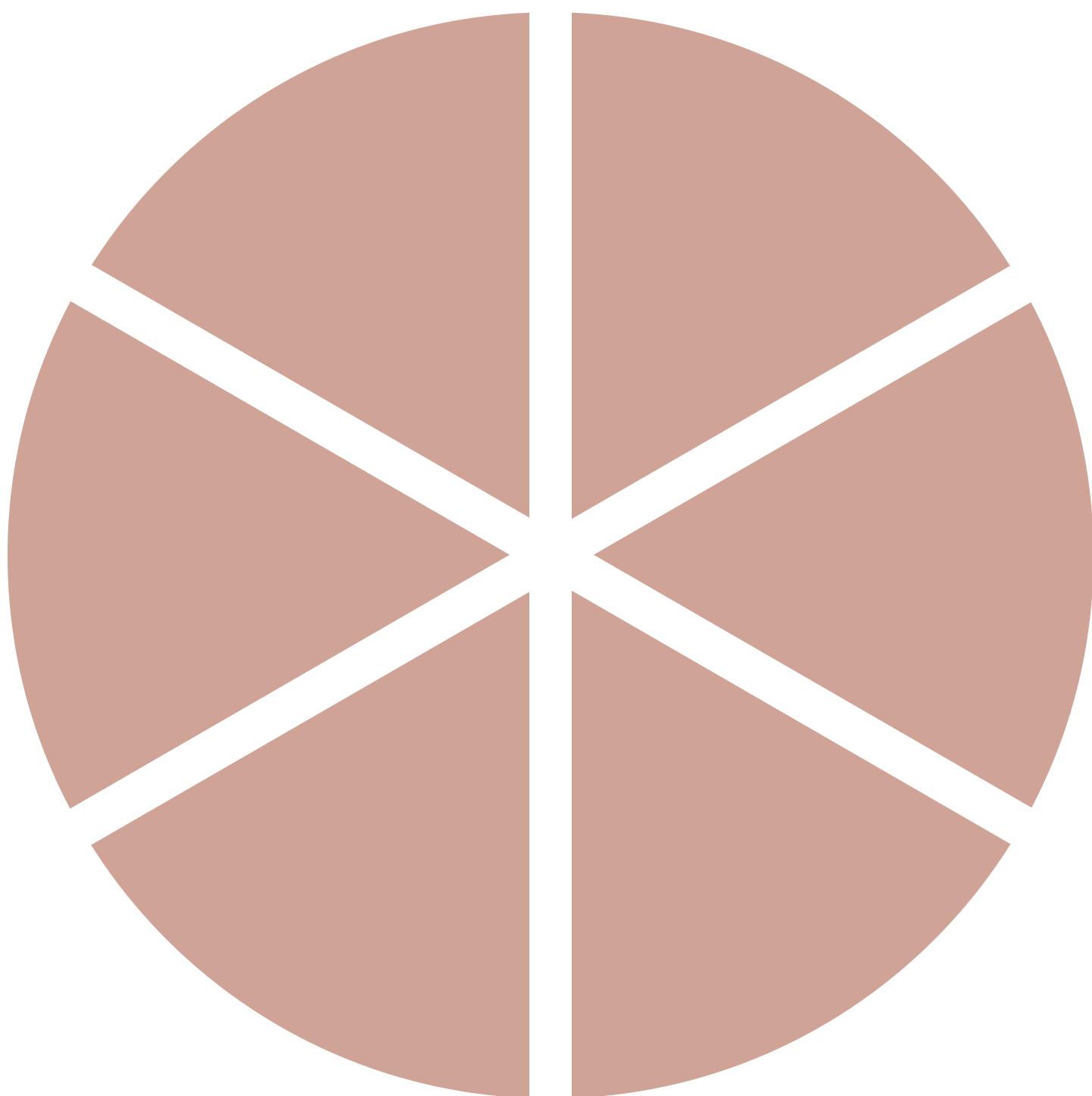
The Competition Clients' intention is to construct a mixed-use development on the competition site, offering spaces for civic amenities on the ground floor and housing and offices on the upper floors.

The development will thus contribute to the regeneration of the square and the adjacent streets while creating civic amenities, shops and services for the residents of the adjacent residential areas as well as for students and employees of the Dejvice Campus. Fourth Quadrant company thus seeks an innovative, flexible and efficient design solution for the 4th Quadrant site that will respect the morphology of the place and compliment the city's plans for the regeneration of Victory Square and the Dejvice Campus.

Intention of Prague University of Chemistry and Technology (VŠCHT)

The intention of VŠCHT is to construct a building in the 4th Quadrant of Victory Square in order to complement the historic buildings of the university in the Dejvice Campus. The new building will house educational and administrative facilities of the university. The institutions that operate without direct access to laboratories will be accommodated in the building. The ground floor of the building will offer spaces for public use such as a ballroom, restaurant and microbrewery.

3 Competition Site and Competition Area



The **competition site** is defined in the south by the street line of Evropská Street and in the east by the street line of Jugoslávských partyzánů Street. Site boundaries with Victory Square and Šolínova Street are formed by the edge of the cadastral plots owned by Fourth Quadrant and VŠCHT. The land within the site slopes gently towards Jugoslávských partyzánů Street.

The **competition area** is marked around the competition site and includes adjacent public spaces directly related to the 4th Quadrant development.

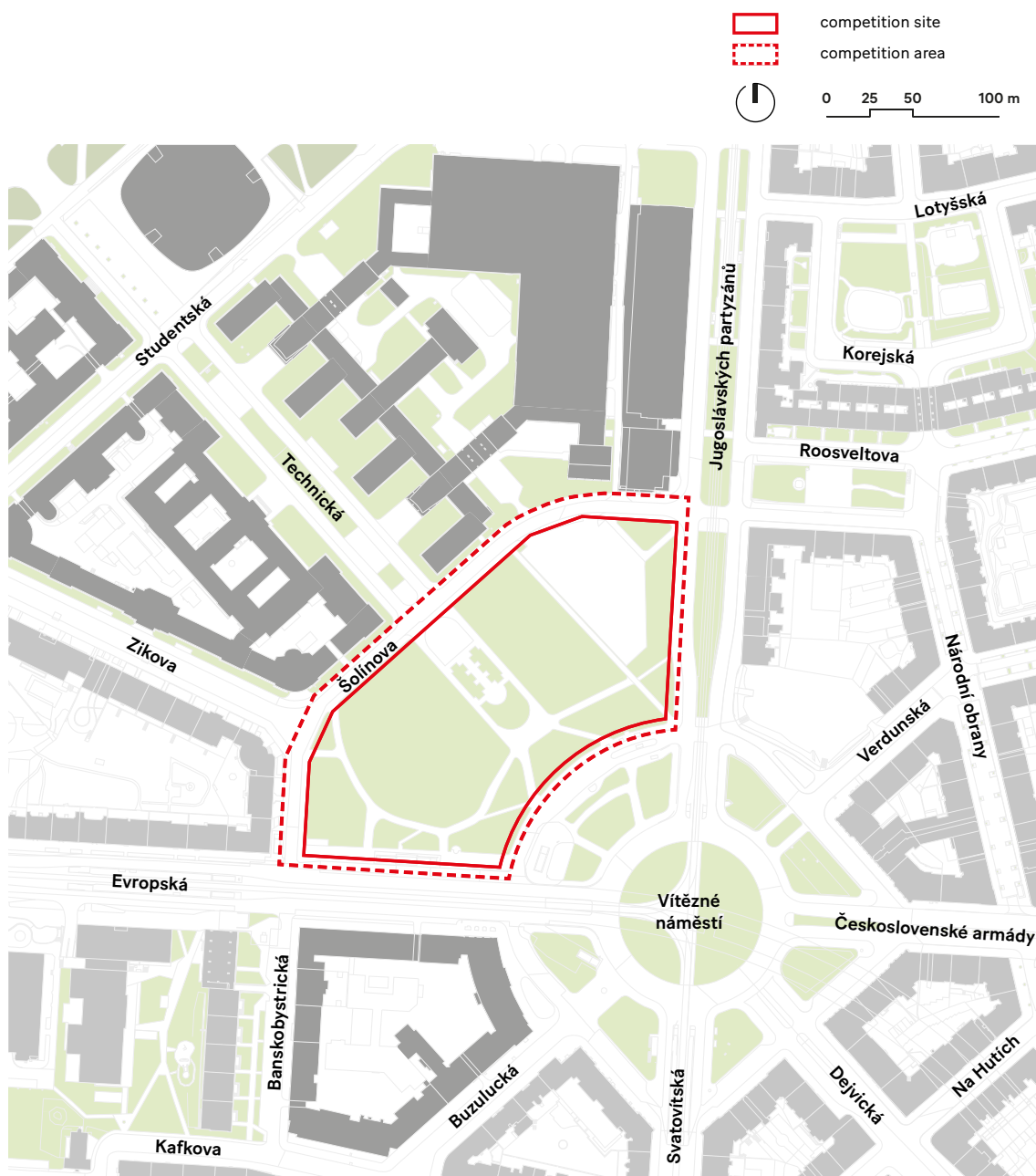
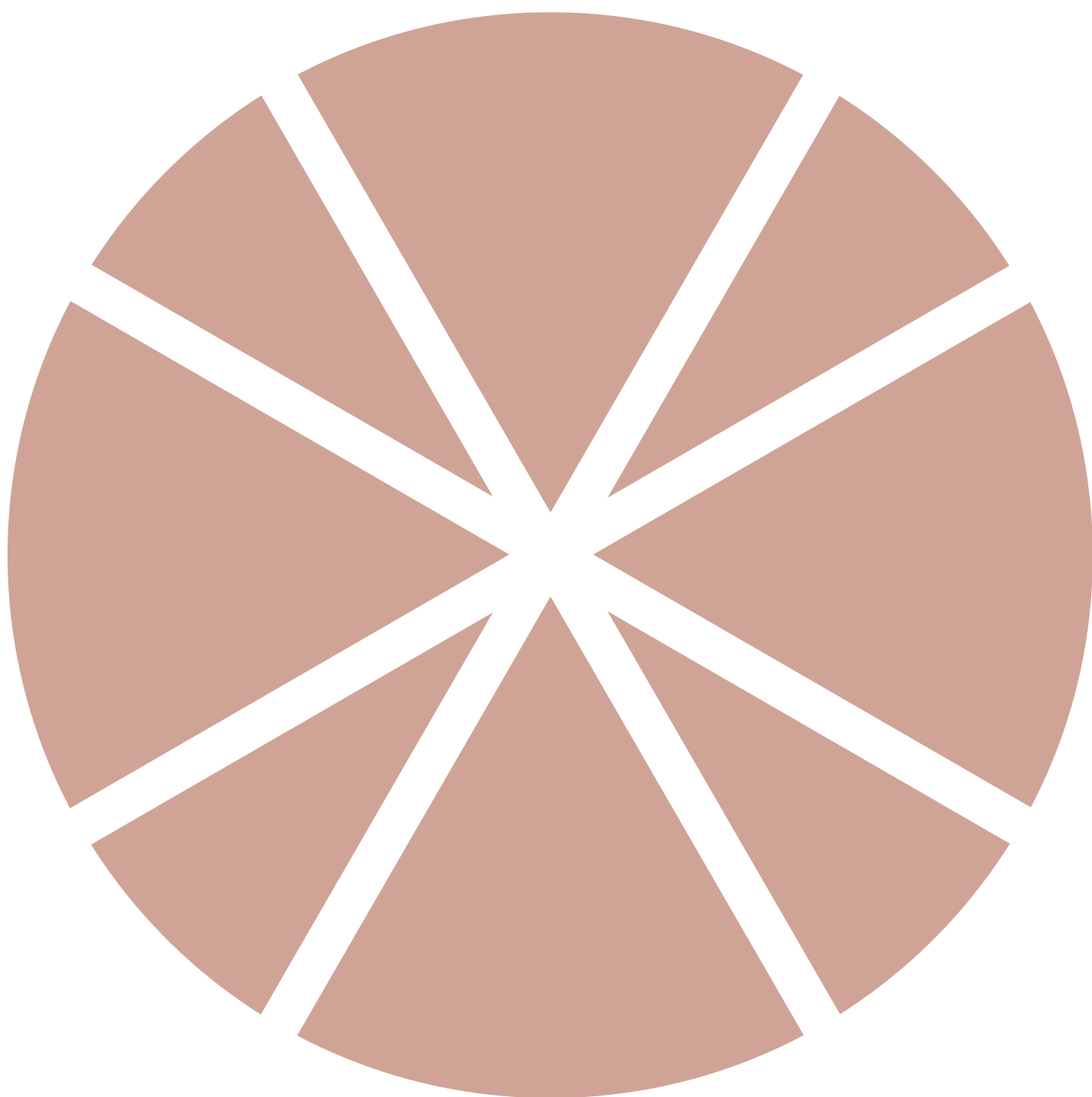


Figure 1 – Competition site and competition area, source: ONplan

4 Ownership Structure



Fourth Quadrant is the main landowner on the site. The company is a joint venture of the real estate companies Penta Real Estate, Sekyra Group and Kaprain. The land at the intersection of Šolínova Street and the axis of Technická Street is owned by the Prague University of Chemistry and Technology.

The competition site also includes land owned by the City of Prague comprising of the plot along the axis of Technická Street and the strip of land along Evropská Street. The building of the metro station entrance is owned by the Prague Public Transit Company.

According to agreements between the Competition Client and the City of Prague, land ownership will be resettled based on the winning competition proposal.

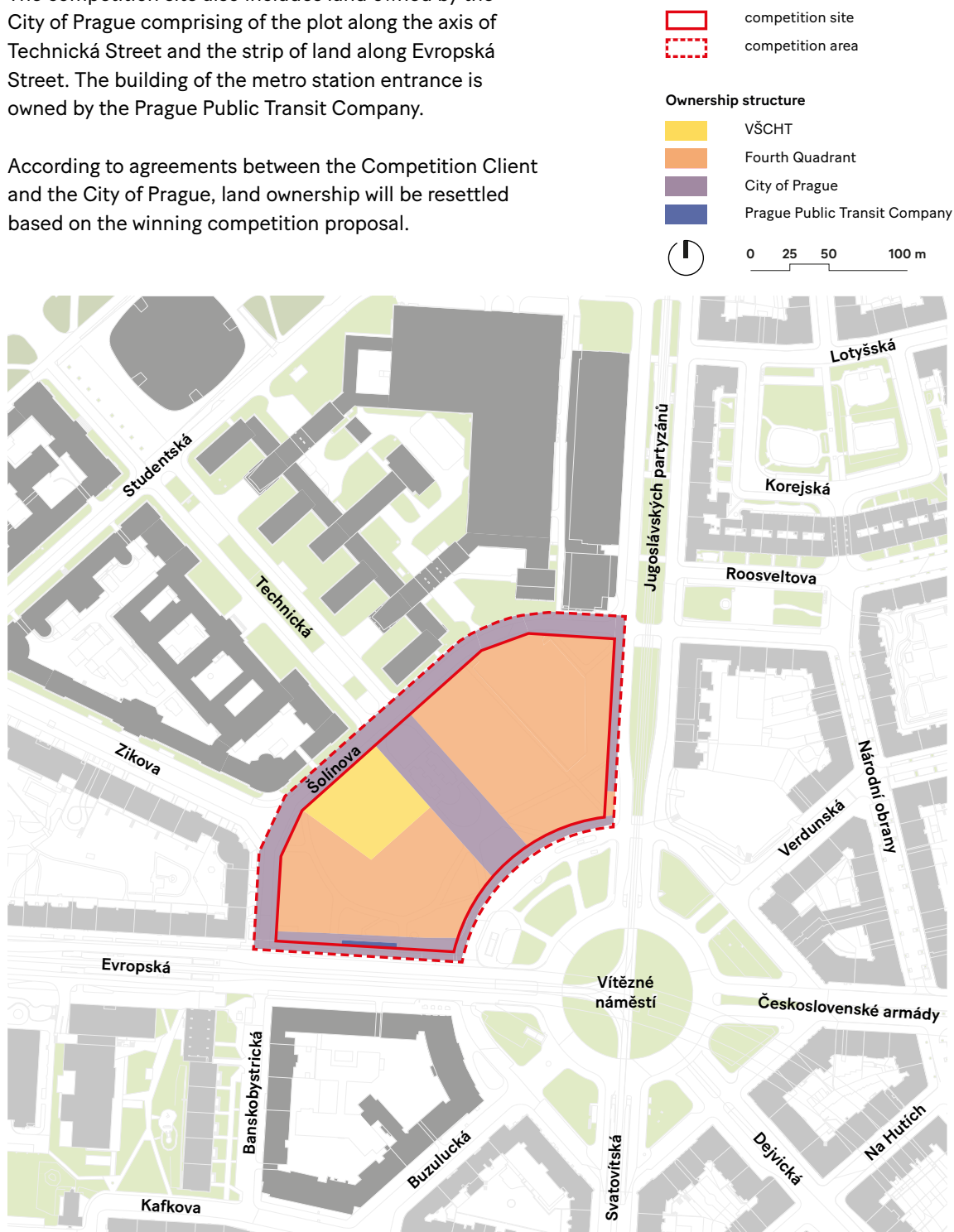
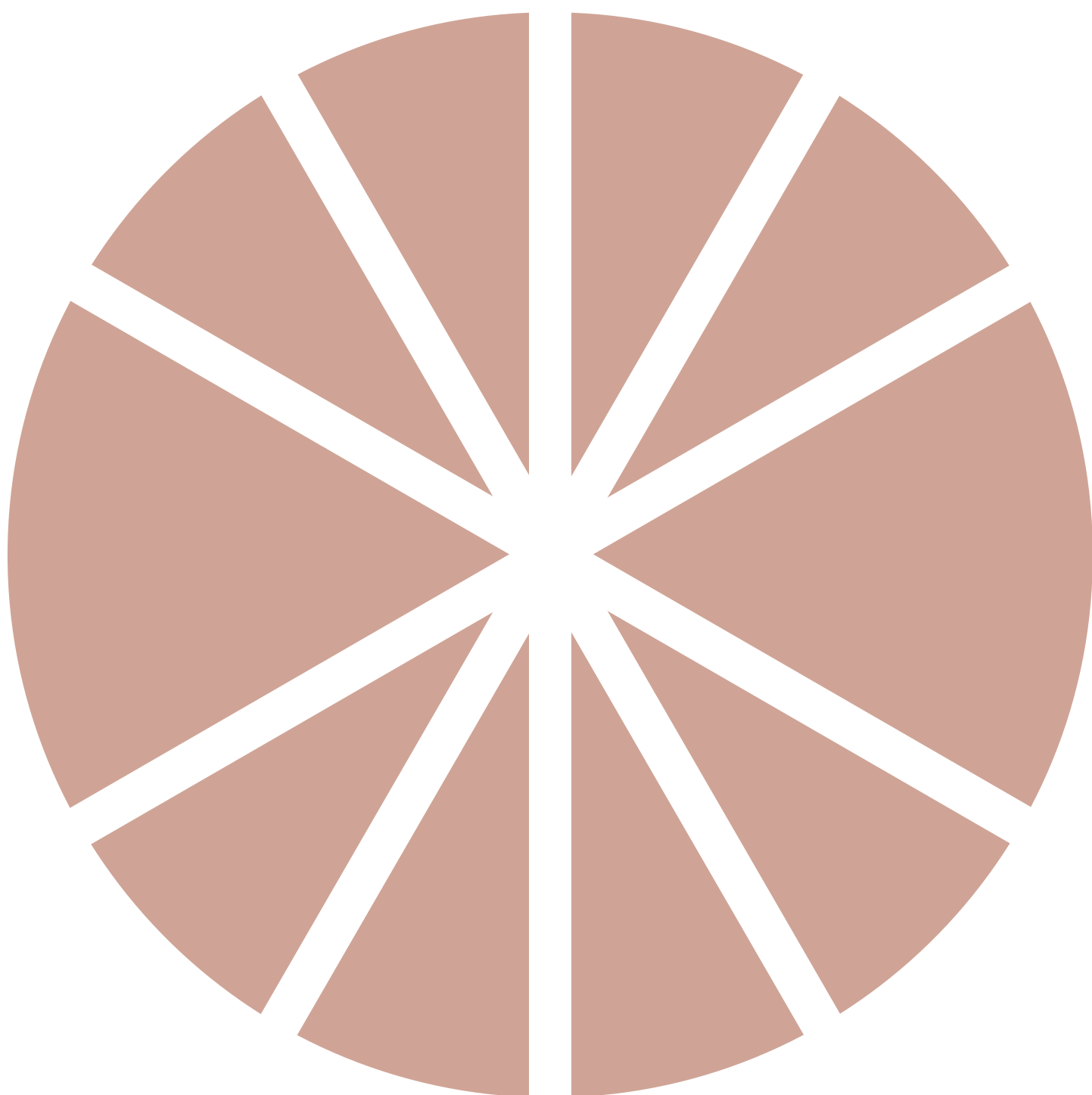


Figure 2 – Ownership structure in the competition area, source: ONplan





5 Planning Framework for the 4th Quadrant Development



The urban structure of Dejvice was established in the 1920s according to Antonín Engel's master plan. Today, the area is regulated by the Zoning Plan of the City of Prague. However, the competition participants will need to take into account also two other documents prepared for the regeneration of adjacent public spaces.

1924 Engel's master plan

The basis for the development proposal of the 4th Quadrant of Victory Square is Engel's master plan of Dejvice from 1924. The structure of public spaces with the centre at Victory Square was gradually implemented in the first half of the 20th century based on this master plan. Antonín Engel also designed the residential blocks on the orthogonal parts of the square, the seat of the General Staff of the Army of the Czech Republic and the buildings of today's Prague University of Chemistry and Technology and the Klokner Institute on the campus grounds. In the second half of the 20th century, new buildings were continually added to the urban structure.



Dejvice Master Plan by Antonín Engel, 1924
source: A. Engel, *Náměstí Vítězství v Praze-Dejvicích*.
Jeho vznik, vývoj a stavba, 1939

1999 Zoning Plan of the City of Prague

Engel's master plan is also embedded in the current Prague Zoning Plan, which sets the basic limits for the development of the 4th Quadrant of Victory Square. According to the plan, the competition site belongs to the zone with the "SMJ" code (mixed-use urban core) and the so-called floating code "ZVS" (special complexes of civic amenities, specifically universities).

2020 Victory Square Master Plan

In 2018, the Prague Institute of Planning and Development organised an international urban design and architectural competition seeking a regeneration plan for the entire Victory Square. The scope of the competition was an urban design proposal creating public spaces with civic and recreational qualities and establishing all spatial links and mobility connections in the area of Victory Square. Pavel Hnilička Architects and Planners won the competition. In 2020 they were commissioned to develop the competition project into a master plan.



Victory Square Master Plan, Pavel Hnilička
Architects and Planners, 2020
source: IPR Praha

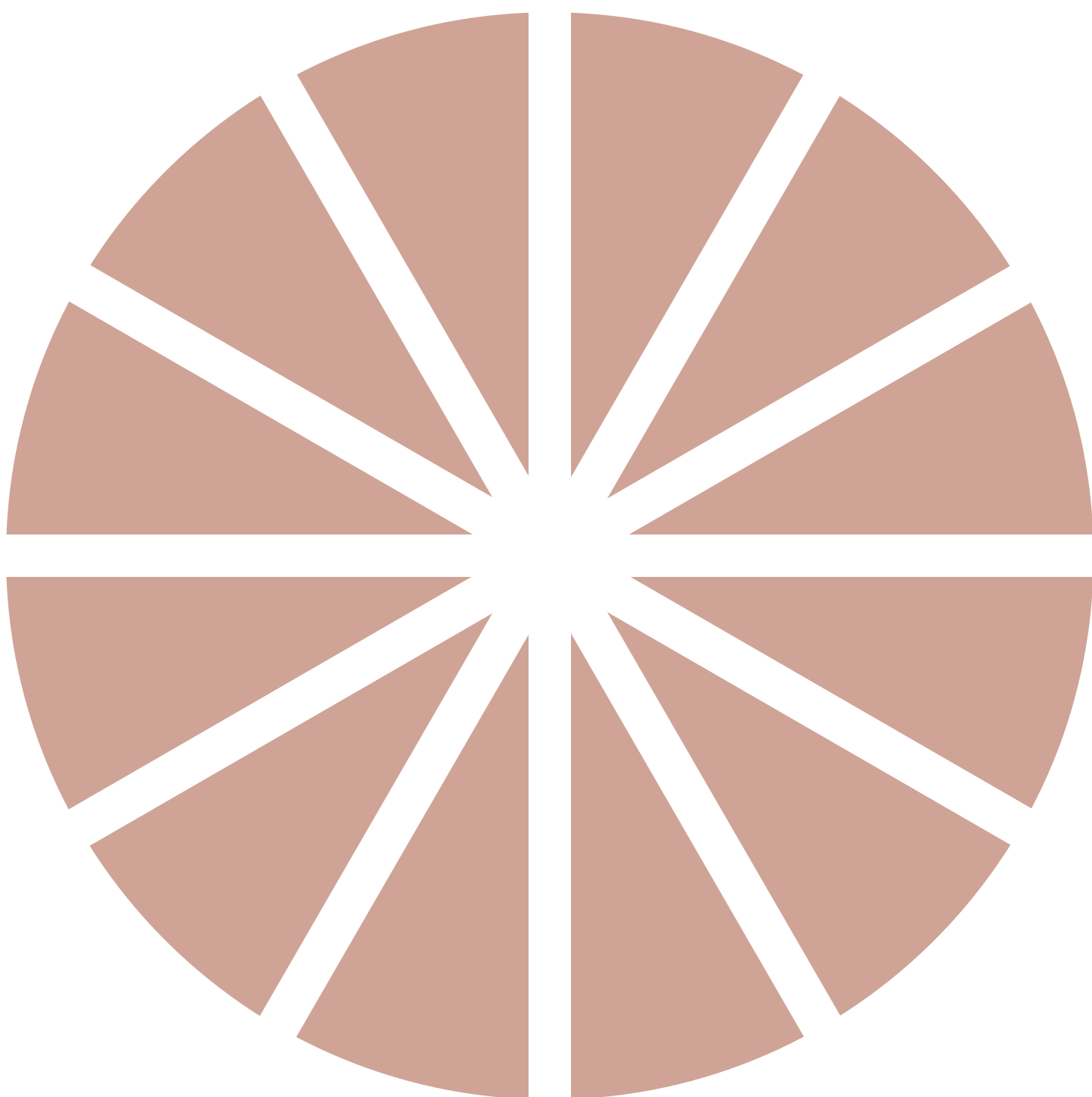
2021 The Future of Campus Dejvice, Public Space Regeneration Concept

In 2021, the MCA studio developed the Dejvice Campus Public Space Concept Plan for the Prague Institute of Planning and Development. The plan focuses on the regeneration of public spaces within the university campus, making them more attractive not only for students, but also for residents who use them as a recreational space.



The Future of Campus Dejvice,
public space regeneration
concept, MCA atelier, 2021
source: IPR Praha

6 Assignment



6.1 Programme

Competition Clients, the Prague 6 Municipality and the City of Prague are aware of the importance of the 4th Quadrant of Victory Square as a gateway and interface between the academic world of the university campus and the civic centre of Dejvice and thus the whole of Prague 6.

The aim is not only to develop the site as a part of the urban structure of the area, but also to create a new destination for Prague's residents and for visitors to the capital city.

The new development of the 4th Quadrant shall become the main reason to visit Victory Square. It should become a place of authentic experiences, a venue of vibrant cultural and social life of the Dejvice community. The development should also generate new opportunities for the creation of highly skilled jobs and link business with world-class science and research.

One of the main tasks is to generate synergies between public and private activities and to create new values for all types of potential users.

Participants are asked to propose a holistic, functionally interconnected and development project for the Northwest Quadrant of Victory Square while respecting and reconciling the requirements of the Fourth Quadrant company and the VŠCHT as set out in the Competition Brief and in the building programmes. The proposals must also respect the regulations set out in the Zoning Plan.

Tasks

- Use to the maximum extent possible, but do not exceed the maximum gross floor area (GFA) set out in the Zoning Plan – 102,636m², in the proportion of 89,936m² for Fourth Quadrant site and 12,700m² for VŠCHT site.
- Propose mixed-use buildings accommodating public amenities and retail (shops, services, restaurants, community and art), offices and housing. Propose the optimal program distribution within the site development in the following ratio:

Programmes	min. % on the site	max. % on the site
VŠCHT	12	12
shops, services, restaurants, culture	18	40
offices	22	40
housing	22	40

- Propose spaces accommodating a cultural and social hub (feasibly on the ground floor or first underground floor), which will connect to the publicly accessible spaces of VŠCHT. Detailed requirements for the cultural and social hub concept will be provided to the competition participants at the 2nd competition workshop.
- At the ground floor level place restaurants and cafés complemented by lounges and other spaces, bistros and other services with a direct link to the street, catalysing an active street life of the neighbourhood.
- Connect active frontage with shops, restaurants and services through a shopping arcade to the existing lobby of the metro station and to the underground visitor parking.
- Suggest the ideal location of a market hall inside the block or within the public realm so that it has a direct link to the shops at the active frontage.
- When designing the office spaces, consider the possibility that the buildings may accommodate a state administration office in the future.

Programme distribution within the buildings

- Place the VŠCHT building inside the corner of Šolínova Street and the axis of Technická Street. In order to optimize the overall proposal for the site development and to accommodate the building programs, it is acceptable to propose a modification of the boundaries of the VŠCHT and Fourth Quadrant plots. Even if you modify the boundaries of cadastral plots, that the size of the VŠCHT plot (3,000m²) shall be preserved.
- Organise the site development in such a way that no parts of the Fourth Quadrant buildings are located on the VŠCHT property and vice versa. Structurally, they shall be two buildings, separated with expansion joint, having own entrances to the property. Exceptions to this may be common communication entrances serving the underground garage spaces where interconnection is permissible, but the garage spaces themselves must be separate, separately lockable and with individual fire safety systems.
- The publicly accessible spaces of the new VŠCHT building and the ground floor and the first underground floor of the neighbouring buildings shall be designed in such a way that the activities accommodated in either part of the premises are not affected should their connections be closed.
- Within one land registry house number (Czech abbreviation "č.p.") or homeowners' associations (Czech abbreviation "SVJ") there should not be a combination of residential and office functions. However, the development should be designed holistically both in terms of its urban design and architecture. The overall architectural character of the development should be integral with the ensemble of Victory Square.
- The horizontal arrangement of spaces accommodating shops, services, restaurants and cultural activities should correspond to the streetscape, however it is assumed that some of these activities will be organized on multiple floors.







6.2 Urban Structure

Antonín Engel's masterplan is the foundation of the urban structure of the 4th Quadrant development, especially of the structure of public spaces with the centre of Victory Square and the block structure surrounding it. In the Prague Zoning Plan the site is within the zone (3.2074 ha) with code "Mixed-use Urban Core (SMJ)" and with intensity coefficient "K". The calculation of the gross floor area for the entire zone that includes plots owned by the City of Prague and the Prague Transportation Company a.s. will be carried out according to the methodology of the City of Prague. The competition site is situated in the area with a ban on high-rise buildings (buildings over 12 floors).

Tasks

- In the proposal for the 4th Quadrant development, follow the urban design principles of Antonín Engel's master plan and relate to the existing block structure of the area.
- Respect the established street lines on Victory Square and on Evropská and Jugoslávských partyzánů streets.
- Verify and document that your proposed width of Šolínova Street is adequate to accommodate all desired activities, required blue-green infrastructure and all modes of transport serving the area. When locating the edge of the development in the Šolínova Street, base the design on the City's requirement for a minimum street profile width of 25m (from frontage to frontage) on Šolínova Street.
- Verify and document that your proposed width of Technická Street extension is adequate to accommodate all desired activities, required blue-green infrastructure and all modes of transport serving the area. In the proposal for the 4th Quadrant development, design the extension of Technická Street towards Victory Square, with a minimum street profile width of 24m and no roofing. However, in the opening of the newly extended street to the Victory Square its profile can be modified so that new blocs complete the shape of Victory Square according to Engel's original plan. In the north-western end of the Technická street extension, react to the existing street profile width determined by the corners of the buildings of the Prague University of Chemistry and Technology and CTU's Faculty of Electrical Engineering at the intersection of Technická and Šolínova streets. You do not need to adopt designs of Technická Street's extension and connection to Victory Square as they are proposed in the Victory Square Master Plan (PHAP) and in The Future of Campus Dejvice, public space regeneration concept (MCA), these are for your proposal in this respect not mandatory.
- The ground floor level of all buildings should have active street frontage in all public spaces. Consider placing the core, most attractive, street level activity nodes towards Victory Square and Technická Street. In the Šolínova Street integrate building access points within active street frontage.
- Locate the entrances to the commercial spaces, offices, the VŠCHT building and the entrance halls of apartment buildings directly from public spaces as part of the active frontage, wherever possible.
- The rhythm of the façades should harmoniously correspond to the historical architecture surrounding Victory Square.
- Design an architecturally harmonious composition, a holistic urban development. However, reflect the significance of the VŠCHT building.
- Design a footbridge connecting the new VŠCHT building with the university's historical buildings across the Šolínova Street.

- The height of the 4th Quadrant development should relate to the level of existing buildings in the surrounding area. Respect the height of the roof ridges and cornices of the buildings on Victory Square and at the same time respond to the heights of the buildings on Evropská, Jugoslávských partyzánů and Šolínova streets (the height measurements of the cornices and ridges on Victory Square and adjacent streets are part of the Competition Materials). It is permitted to raise the buildings above the cornice when implementing setback floors and accents on the corners of the buildings. Corner accents and setbacks facing Victory Square shall not exceed the roof ridge height of the buildings on the square. The cornice heights of the parts of the development facing Šolínova and Jugoslávských partyzánů streets can include setback floors and corner

- accents, these should however not exceed the highest point of the new buildings facing Victory Square.
- The design should reflect connection of the new development with the Zikova Street (prolongation of its axes) as well as the original intention of Antonín Engel of a symmetrical axis connecting Fleming Square to Šolínova Street, which could be eventually implemented.
- The proposal should consider the gradual implementation of the 4th Quadrant development. The maximum extent of phase one is half of the competition site. At the same time it must be possible for the Fourth Quadrant building to be constructed independently of the VŠCHT building.

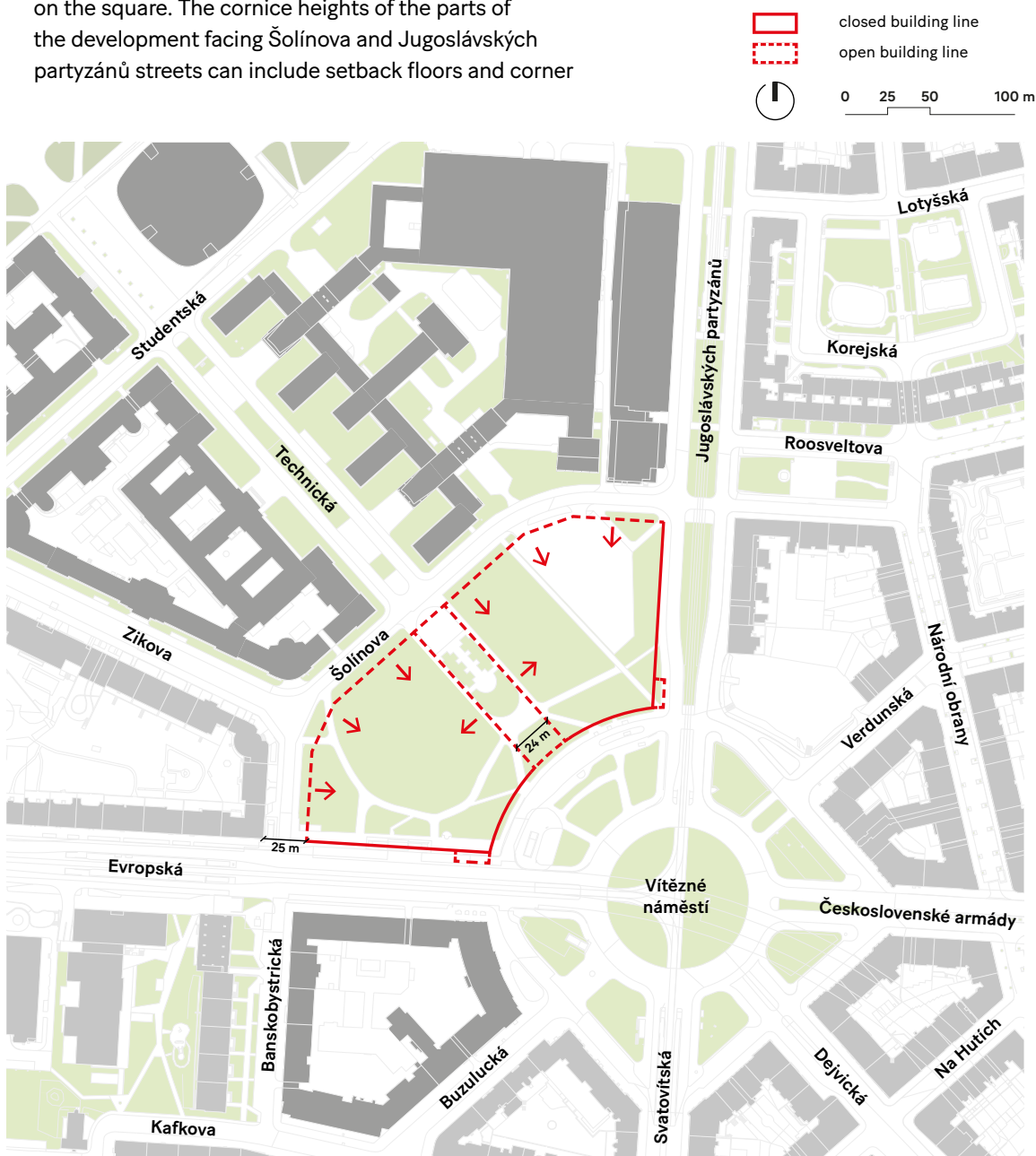


Figure 3 – Main spatial constraints of the site, source: ONplan

6.3 Public Spaces

The area adjacent to the Victory Square has an established and clearly defined network of public spaces laid out in Antonín Engel's masterplan. The Victory Square Masterplan and Dejvice Campus Regeneration Concept that were recently procured by the City of Prague are the basis for the public space design in the 4th Quadrant development.

Tasks

- In the part of the 4th Quadrant development proposal facing the Victory Square and Evropská and Jugoslávských partyzánů streets, follow the design of public spaces of the Victory Square Master Plan.
- In the axis of Technická Street towards Victory Square propose pedestrianised street with the highest degree of urban design qualities such as safety, comfort and vitality. In your design respond to the proposal for the relocation of the Monument to the Czechoslovak World War II Veterans according to the Victory Square Master Plan.
- Design the sidewalks along Šolínova Street with spaces to accommodate activities related to ground floors of the new 4th Quadrant development. Propose measures to eliminate the disturbance caused by bus traffic in the street. It is not mandatory to follow the width of sidewalks along new buildings in Šolínova Street as proposed in the Victory Square Master Plan and in The Future of Campus Dejvice Public Space Regeneration Concept.
- Inner courtyards connected to office buildings, commercial spaces and restaurants shall be publicly accessible with the possibility of closing them for the night. Inner courtyards adjacent to the residential buildings should be primarily private or semi-private, retail spaces in residential buildings shall be primarily facing the street.
- Ensure pedestrian permeability through the development and the courtyards.
- Consider the use of public art within buildings and public spaces.
- Consider ways to commemorate the history of the site, such as references to the famous pilgrimage path with stations of the cross to the St. Matthias Chapel or the pear tree alleys typical of historical Dejvice (see Site Information publication).

6.4 Blue-green Infrastructure

The impacts of climate change in Prague are forecasted to be extensive and may further accelerate the negative heat island effect in the city. These concerns also apply to the heavily urbanised area of Dejvice. Measures that will contribute to mitigating the effects of climate change need to be thoroughly addressed in the proposal for the 4th Quadrant development.

Engel's green belt is the most important element of green infrastructure within the urban structure of Dejvice (see Site Information publication). The green belt links to the competition site and Victory Square via the green corridor in the Technická Street with clusters of Sakura (cherry blossom) trees and alleys typical of the Dejvice – Bubeneč locality. In the Victory Square Master Plan bosquets are proposed in the centre of the square; tree-lined alleys are added along Evropská and Jugoslávských partyzánů streets and in the extension of Technická Street.

Tasks

- Propose measures that will contribute to mitigating the impacts of climate change as part of the 4th Quadrant development.
- Propose a comprehensive rainwater management system, within the buildings, in inner courtyards and in the adjacent public spaces, with an emphasis on capturing rainwater at the source point while maximizing infiltration and evaporation and minimizing surface runoff. Propose the integration of water management measures and vegetative elements into a blue-green infrastructure system while taking advantage of the synergies between water and greenery.
- Propose as much green space as possible on the site. Consider the possibilities of integrating the existing vegetation elements into your landscape design.
- When designing public spaces and courtyards adhere to the greenery coefficient defined for the zone by the Zoning Plan. Project the greenery coefficient (KZ) onto the total SMJ zone – 3.2074 ha and the proposed development density, where KZ for 5 floors is 0.1, for 6 floors is 0.2, and for 7–8 floors is 0.25.
- Respect the elements of blue-green infrastructure around Victory Square and along Evropská and Jugoslávských partyzánů Streets as they are defined in the Victory Square Master Plan. In your design take into consideration the blue-green infrastructure design as proposed in The Future of Campus Dejvice Public Space Regeneration Concept.
- With regard to the final design of Victory Square and the requirement to link the square to the university campus, propose tree alleys and integrated blue-green infrastructure elements for the new extension of Technická Street. It is not mandatory to follow the spatial arrangement and implementation of blue-green infrastructure elements in the extension of Technická Street as proposed in the Victory Square Master Plan.
- In case it is not feasible to preserve the existing green infrastructure elements in Šolínova Street, propose a new tree line.
- The design of green roofs with maximum respect and sensitivity to the preservation of the protected roofscape is permissible.

6.5

Transport and Mobility

Victory Square is an important transportation hub of Prague 6. Its current state significantly favours car traffic, and the design of public spaces is not very comfortable in respect to pedestrians and other user groups. This situation is addressed in the Victory Square Master Plan (see Chapter 5). As such the transportation and mobility proposal for the 4th Quadrant development must respect and build upon the Victory Square Master Plan. Exceptions to this are listed below.

The implementation of the Victory Square Master Plan is conditioned by transportation projects in the adjacent area (Evropská – Svatovítská bypass road, new tram lines Nádraží Podbaba – Suchdol and Malovanka – Stadion Strahov). These projects will make it possible to reduce the intensity of car and bus traffic, including a significant reduction in the number of bus stops in the competition area. As the exact timeframe of the Victory Square regeneration project implementation has not yet been determined, the proposal for the 4th Quadrant development shall be integrated in the projected target state of the square and adjacent streets. At the same time the 4th Quadrant development shall be feasible in the current conditions of the competition area and when only some of the phases of Victory Square Master Plan are implemented.

Tasks

- Traffic access to the 4th Quadrant development should be organised through Šolínova Street. Minimize the number of car entrances to the building but include at least 2 entrances in total. Consider the possibility of designing a separate car entrance to the VŠCHT building; a joint entrance to the Fourth Quadrant and VŠCHT building is also acceptable.
- Access ramps to underground floors must be located inside the buildings, not within the public spaces.
- Service vehicle access points must have a minimum height of 4.1m, allowing for entrance of standard trucks (without trailer) to the commercial parts of the development. The rest of the garage entrances can remain at the minimum height of 2.1m and serve standard private vehicles.
- The traffic access solution must be functional in the current state of Victory Square and the adjacent streets, as well as in the target state of the regeneration project and in each of its phases as proposed in the Victory Square Master Plan. However, Šolínova Street design from the Victory Square Master Plan is not mandatory but only indicative. When proposing the traffic access solution for the 4th Quadrant development, it is necessary to respect alternative scenarios in terms of number of bus stops and bus waiting stands as defined in the Victory Square Master Plan. Alternative scenarios include phase when the extension of the tram line towards Strahov is already implemented, but the extension of the tram line to Suchdol is not implemented, as well as in the final phase of the regeneration project when tram line to Suchdol is completed. In the target state two-way traffic along the entire length of Šolínova Street is being considered.
- The parking distribution proposal must cover the operational needs of the development and reserve extra parking capacity. The underground spaces of the Fourth Quadrant and VŠCHT garages should be separate, lockable, and fireproof.
- The number of parking spaces must correspond to the respective programme and mix of uses of the development.
- Adequate bicycle access and parking must be distributed according to the respective programme of the development.
- Entrance to the subway lobby from the new shopping arcade (see section 6.1) and the connection of the subway lobby and BUS stops in Evropská street shall be integrated into the building. Take the design solution of the Victory Square Master Plan as your starting point.

6.6 Utility Infrastructure and Energy Efficiency

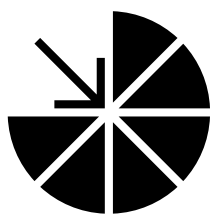
The competition site is situated within a stabilized urban structure with sufficient capacity of respective utility infrastructure networks. The 4th Quadrant development will be connected to the existing water supply line from Šolínova Street and to the power grid at Jugoslávských partyzánů street. Connection to the backbone hot water pipeline in Šolínova Street is also possible. The connection to the gas supply is anticipated from the Šolínova Street. Details are described in the Site Information publication.

It is the Competition Client interest to have the 4th Quadrant development equipped with advanced utility technologies in order to ensure high levels of energy-efficiency and minimise operational costs.

Tasks

- Propose a general energy management concept for the development, including the distribution of integrated heating, ventilation and energy systems that will be technically and economically feasible in terms of construction and operation.
- Propose a solution ensuring as much operational independence for the VŠCHT and the Fourth Quadrant developments as possible. If it is not feasible to implement either part of the infrastructure separately for the Fourth Quadrant or the VŠCHT buildings, it is permissible to propose common infrastructure for the relevant systems.





International Architectural Competition 4th Quadrant of Victory Square Prague – Czech Republic

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