International Open One-phase [illegible]n Design Idea Competition

„Špitálka"

P01 - Competition Brief

Competition Organiser and Preparer of the Competition Conditions
City Chief Architect's Office
in cooperation with
Data, Analysis and Evaluation Department
Brno City Municipality

Announcer of the Competition
City of Brno
Dominikánské náměstí 1
Brno 602 00

B R N O

CONTENT

SUBJECT OF THE COMPETITION

The subject of competition is an urban idea proposal for the location Špitálka in Brno - Zábrdovice. The proposal in the range of an urban study, which determines the range, form and functional use of the site including links surrounding, will be processed to the whole area of interest in accordance with the competition brief. The proposal will fulfill the existing urban space requirements including living functions and complemented by more functions and areas needed within the context of the location.

Project Špitálka is a part of large European project „Rotterdam, Umeå and Glasgow: Generating Exemplar Districts In Sustainable Energy Deployment" (RUGGEDISED) which should demonstrate the use of technologies for the development of city districts. It associates three main cities of Rotterdam, Glasgow and Umeå to which Brno, Gdańsk and Parma add. The solutions will be implemented there to expand Intelligent City model in Europe.

The aim of the competition is to get a quality urban design and to find a solution which will be used for the next steps leading to a change of the Brno City Master Plan and regulatory plan of the area. The solution is supposed to have unifying concept and long-term sustainability that naturally and functionally integrate whole area into the city's structure.

The announcer of the competition aims to find a solution that finds new functions for parts of the city for revitalization, improvement of citizen's lives and reduction of the impact on environmental activities.

COMPETITION DOCUMENTS

The documents will be sent based on request sent according to the document P01a to e-mail address vytiskova.katerina@kambrno.cz. For the safe of submit of proposal with all requisites. use document P19.

IMPORTANT DATES

30th October 2018

announcement of competition

30th November 2018

request an explanation of competition conditions

21st January 2019 at 3:00 p.m.

submission of proposals

31st January and 1st Febraury 2019

jury evaluation meeting

PRIZES

1st prize

CZK 500.000

2nd prize

CZK 400.000

3rd prize

CZK 300.000

rewards

total CZK 100.000

COMPETITION JURY - INDEPENDENT

Univ. Prof. DI Sibylla Zech

She is a professor for Regional Planning and Regional Development at TU Wien and head and foundress of the spatial planning consultancy stadtland (Vienna and Bregenz, Austria). Her personal work focuses on urban and regional planning and development, design and moderation of planning processes for ecologically and socio-culturally sustainable spatial planning, in particular the smart city approach. Through her planning and study projects and publications she delves into various urban and rural regions in Austria and other countries.

Ir. Barbara van den Broek

She was born in Enschede, the Netherlands, She studied Urbanism at the University of Delft. Barbara worked for four years at Kuiper Compagnons as an urban planner on assignments all over the country and started working for the City of Rotterdam in 2001. She worked on several project in the southern part of the city such as the Kop van Zuid , Currently she works on the city centre of Rotterdam

Ing. arch. Petr Hlaváček

He studied Faculty of Architecture at Czech Technical University in Prague where he has taught here since 1990. In 1991 he and architect Hana Seho-Münzový founded the architectural office R. U. A. In 1993 he was a guest professor at University of Michigan College of Architecture. In 2010 he became the vice-dean for development at Faculty of Architecture at CTU in Prague and founded the atelier Headhand Architects. In 2015 he was elected such a director of Institute of planning and development of Prague. In 2016 he was removed from this position.

Ing. arch. Pavel Hnilička

The graduate of Faculty of Architecture at Czech Technical University in Prague and postgradual studium at ETH Zürich in Switzerland. He leads own atelier Pavel Hnilička architekti since 2003 and cooperates with the atelier Baumschlager Eberle. He cooperated with Ondřej Císler during 2006-2009. He also taught at Faculty of Architecture of the Urban Planning Institute in Prague during 2007-2010. He has lead the preparation of new Prague building at IPR Prague during 2012-2014. Between 2014 and 2018 he was the first deputy chairman of ČKA and chairman of the working group for legislation.

doc. Ing. arch. Jakub Kynčl SUBSTITUTE MEMBER

He was born in Brno. He is an architect and urbanist, the graduate of Faculty of architecture at Technical University in Brno. In 2001, he and Jiří Knesl founded the office knesl kynčl architekti. In addition to number of many architectural realizations he has many years experience at Faculty of Architecture in Brno. He also published many arcticles.

Dipl. prof. Ernst Rainer SUBSTITUTE MEMBER

The graduate of Architecture at the Graz University of Technology, where he now works as Scientific Assistant at Institute for urbanism and is a head of the research unit URBA Graz. His work focuses on smart cities, sustainable urban development, urban technologies, urban development funds and project management and – development of EU- funded projects. He worked od several projects in Graz, published several scientific articles and studies including the article about development possibilities of the industrial region of Zlín-Otrokovice.

COMPETITION JURY - INVOLVED

Ing. Petr Vokřál

Temporary deput chairman of ANO 2011. He is the Lord-Mayor of the City of Brno since 2014. He studied at Faculty of Civil Engineering at Technical University in Brno. He worked at Research Institute of civil engineering since 1991. He was a manager before his political career in which he tried different leadership positions from CEO for CZ, the Europian region to the chairman of the multinational holding company. He is a member of BVV Board of Directors.

Ing. Jaroslav Kacer

The Deputy Mayor of the City of Brno for Smart Cities, City strategy, Informatics and elektronization of the town hall. He studied the Faculty of Mechanical Engineering at Technical University in Brno. During his proffesion practice he had a number of managerial functions in commercial and public sector. He also founded advertising agency and he business in consulting and project activities. He is the member of City Council of the City of Brno since 2010. During 2010-2014 he was a member of the Council of Brno-Bystrc.

Ing. Petr Fajmon, MBA

Vice-chairman of the Board and the director of Heating plants Brno, a.s. He studied at Faculty of Electrical Engineering at Technical University in Brno and management at Nottingham Trent University. In his profession carreer he worked in fields of telecomunications, gas and heating. He is also the member of Executive Committee Of the Czech Heating Association.

doc. Ing. arch. Michal Sedláček SUBSTITUTE MEMBER

The director of the City Chief Architect's Office in Brno. He studied Faculty of Architecture at Technical University in Brno and The School of Architecture at Academy of Fine Arts in Prague. After his studies he went to abroad. He worked in New York, Moscow, Los Angeles. He also worked in the atelier of well-known architect Frank Gehry. In 2007 he founded the branch office of the architectural firm Aedas. He led it till to spring 2016 when he won the concurs for the Director of the City Chief Architect's Office.

Ing. arch. Petr Bořecký SUBSTITUTE MEMBER

The architect, the representative of the City of Brno and Brno-střed. He works in atelier a53 architekti in Brno. He is a member of ANO 2011.

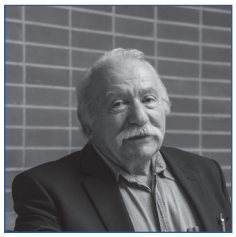
RNDr. Filip Chvátal, Ph.D. SUBSTITUTE MEMBER

He studied of Masaryk University in Brno. He graduate the doctor studium in Regional Geography and Regional Development - Transport Geography. He works as a specialist of Geographical Institute at Faculty of Nature at Masaryk University. He is also a manager of volunteer union of municipalities Šlapanicko, the representative of Brno-střed and the member of KDU-ČSL. In City, He solves the issues of transport, urban planning and development.

Bc. Tomáš Koláčný SUBSTITUTE MEMBER

He studied heavy electronics and energetics at Technical university in Brno. He was interrupted the Master degree due to the election to the City Council of the City of Brno (2014). In the council, he dedicaded the creation and implementation of participatory mechanisms. In 2016 he was elected to the Council of the City of Brno as the councilor for the openness of the city and participation of the population. He is the member of the Pirate committee and the chairman of the association in Brno.

INVITED PROFESSIONAL EXPERTS



Urbanism and Urban Planning

Ing. arch. Antonín Hladík

He is a respected urban planner. He studied Czech Technical University in Prague. Till 1971 he worked in the City chief architect's Institute in Brno, later worked in Brnoprojekt. In 1991 he founded his own office Urbanism, Architecture, Design Studio s.r.o. He is a co-author of Zoning plan of Brno of 1982 and the author of valid zoning plan of 1994. He created the methodology of urban planning. He is also an external professor at Faculty of Civil Engineering in Brno. He processes materials for the central authorities. In 2011 he received the Brno City Prize for the lifelong contribution to urban design and spatial planning.

Transport

Ing. Martin Všetečka, Ph.D.

He studied at Faculty of Civil Engineering at Technical University in Brno where he teach now at Institute of roads. He collaborated on capacity of junctions in Brno, Slavkov, Veselí n/M. and Kralupy n/V. and the study of arragement bus stops in Humpolec. He co-authored study of organization of transport at area in front of Railway Station, at Street Veveří-Kounicova etc. He is a leader of transport department at City Chief Architect's Office in Brno.

City Development and Marketing

Tomáš Ctibor

He studied architecture at CTU and Academy of Arts, Architecture and Design in Prague. He dedicated to consulting and development in the real estate market. He worked also such as the member of steering committee at CzechInvest agency and the chairman of association of international investments. He was the member of Metropolitan soundboard and independent international institutions RICS, CRE and ULI. He was the leader of Strategic Concept Department and the 1st deputy of director of the city development department Prague. He was a director of IPR until 2014.

Smart City

Mgr. Lukáš Grůza

He studied at Masaryk University in Brno. He works on Data, Analysis and Evaluation Department by Brno City Municipality as a manager of project RUGGEDISED (Horizon 2020) and evaluation expert. He worked as a coordinator for Smart cities in his previous practice. He has experiences also from nonprofit sector and the elected representative in public administration.

SECRETARY OF THE COMPETITION

Ing. arch. Kateřina Výtisková

She studied Architecture and development with focus Spatial planning at Faculty of Civil Engineering at Technical University in Brno. During studies she worked in atelier Velehradský and Arch.Design. After studies she started to work in Arch.Design. She was a leader of projects of changes in land use and creation of land studies. She participated in the preparation of documents for conference Odborně o Brně.

RE-EXAMINER OF COMPETITION PROPOSALS

Ing. arch. Tomáš Pavlíček

He studied the Faculty of Architecture at Technical University in Brno. He worked in the architectural atelier knesl + kynčl architekti. During his professional practice he cooperated at the number of residential and civil buildings, public spaces and larger territorial units and many of competition proposals. From realized projects we can provide for example the transport terminal in Nové město na Moravě with the Nádražní street.

LOCATION

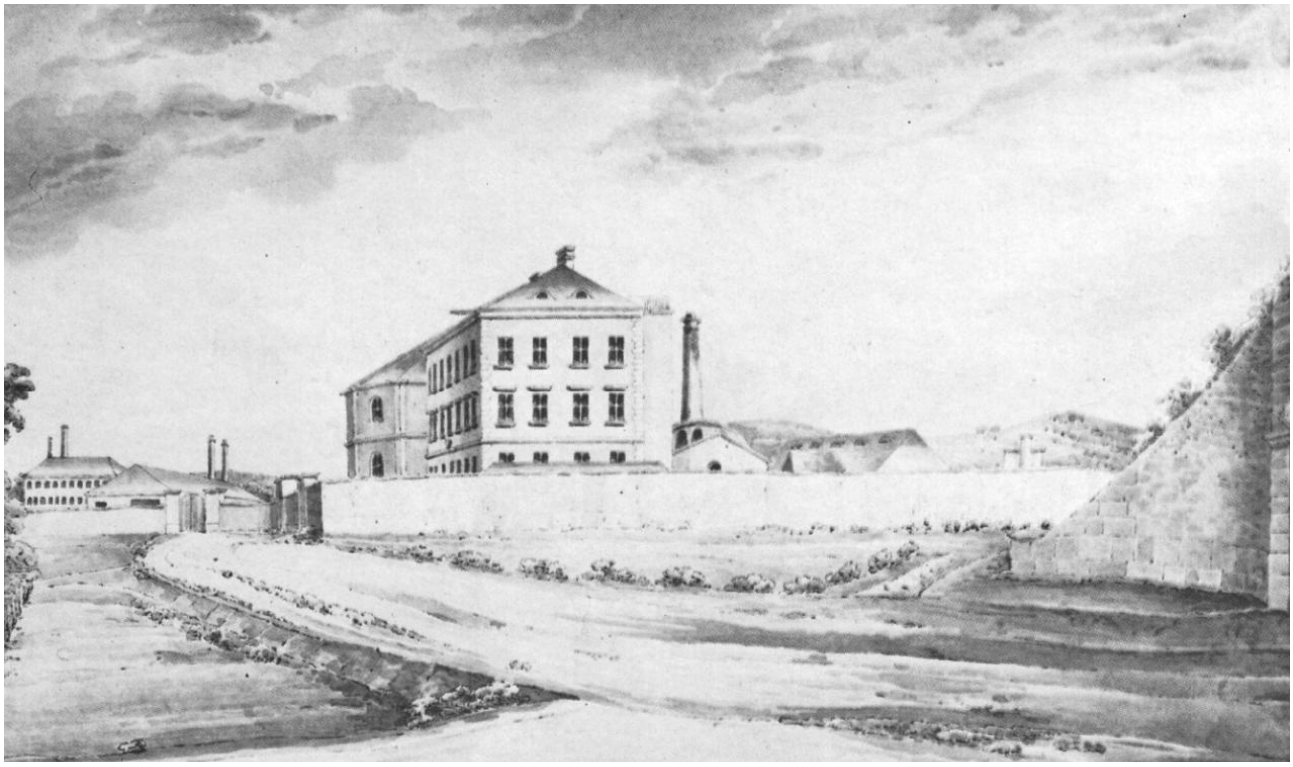
LOCATION CHARACTERISTICS

The area of interest is situated in cadastral area Brno-Zábrdovice. The area is linked to the historical center of the city and it is a part of protective zone of Urban Conservation Area. It is a location with high density of buildings with closed block structure which had a long development.

Older construction north of the area of interest stayed almost unchanged, has an urban character and consists of apartment buildings almost from the 19th centry. The core of district are streets Francouzská, Bratislavská and Cejl. There are industrial areals on the south of the Cejl in the area of interest which were early the industrial center of the city. Thank to this the location was called Moravian Manchester. Today areals are unsatisfactory state and form a large part of brownfields in the city.

The area around Cejl is called „Bronx" and it is negatively assessed area of Brno. It is inhabited by socially weaker people and it is the most socially excluded area of Brno.

We can see there of change caused by non-profit organisations, new buildings and reconstructions. A proof of this is also the competition Creative Center Brno in location Káznice which is the strategical project of Brno.



The heating plant historical photo, 1848

COMPETITION SITE

Area of Interest

It is situated in built-up area in city district Brno-střed in cadastral area Zábrdovice. The area of interest is situated near the city center and it is bordered by streets Koliště, Cejl, Radlas and Špitálka, and by railway line in the south.

Althought the links to neightborhood are beyond the borders of the area of interest, the subject of the brief must be placed only into this area, the balance sheet will be filled only within the scope of the area of interest.

The area of area of interest:

245.451 m² **24,55 ha**

Area concerned

The areas of area concerned are not the subject of the solution, but they have the direct connection to the area of the interest. In proposals, it is suitable to design surrounding parts to connect existing and new buildings and create compact whole.

The area of area concerned:

608.480 m² **60.85 ha**

PARCELS

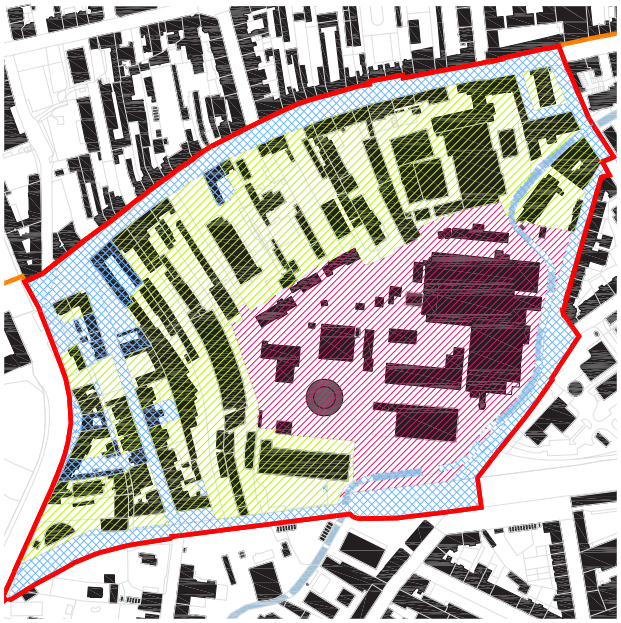
The parcels of the area of interest are situated in Zábrdovice cadastral territory.

The lots of heating plant are owned by Teplárny Brno a.s. The communications in Cejl street to the crossroad with Tkalcovská street, Špitálka and Vlhká street are owned by the Czech republic. Other communications are owned by the Statutory City of Brno. The railway line is owned by the Czech republic with SŽDC management. Plots of Ponávka flowing through the heating plant are owned by the Czech republic with Morava basin management. Other lots are owned by privately owners, in minimum amount of the Statutory City of Brno.

the area of interest

the area concerned

The scheme of area interest and concerned



Teplárny Brno, a.s.

city and CR parcels

private parcels

the area of interest

the area concerned

Property relations in area

HISTORY OF THE AREA

Cejl originated as the street in proximity to the road from Měnínská brána and Branky to the ford across the Svitava river in Zábrdovice at the turn of the 12th and 13th centuries. The location of the streets Cejl, Bratislavská and Francouzská survived unchanged to this day.

In the 18th century, Lower Cejl was spred to Přádlácká street, in the eastern part to Radlas and in the southern part the border was created with Svitava head race. In 70's of the 18th century, first factories and the penitentiary were started to built. They have changed the character of Cejl. Especially the penitentiary meaned the radical interference to Cejl's urban structure. Since the end of the 18th century, the development of Cejl was made up of two or multi-storey classicist corridor houses which were used for workers accommodation.

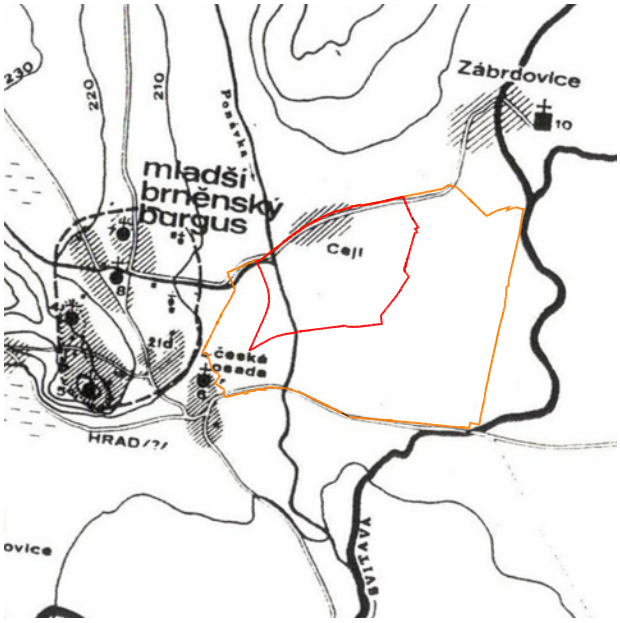
At the end of the 18th century, Upper Cejl formed around current Bratislavská street. Also the Jesuit garden was cancelled where the Josefov was founded. Worker housing formed the urban structure of Upper Cejl around the Francouzská and Bratislavská street. The development was formed of small houses with gardens.

At the beginning of the 19th century, Lower and Upper Cejl were merged. Due to the development of Josefov, the district was the most developed suburban unit, where the extensive street raster was formed. Till the half of the 19th century, the Cejl area had seven factories, a poorhouse, guardianship, courthouse and robot.

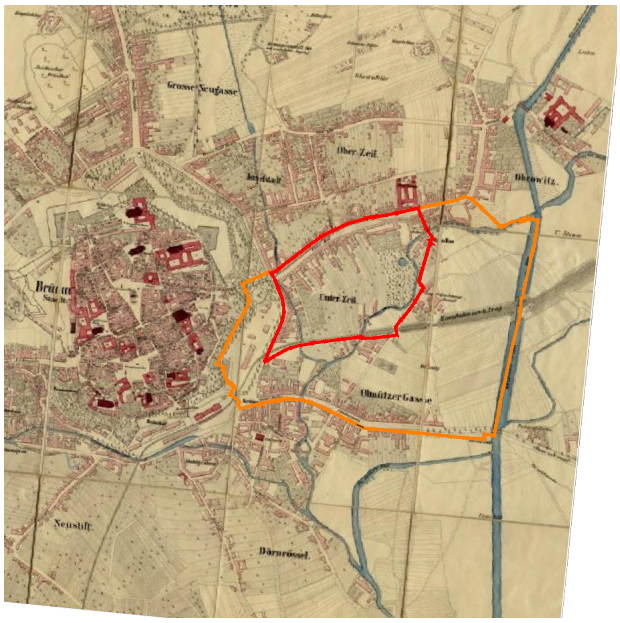
Development of more factories caused overpopulation of the suburb of Upper Cejl. Buildings were built also in block yards. Later, the old development were replaced by modern houses. In Lower Cejl, the development of the narrow parcels was expanded. Due to the railway line to Česká Třebová, industrial buildings were built at long parcels to the Svitava head race.

By the beginning of the 20th century the compact city structure of Cejl stabilized. The neo-renaissance quarter around 28th October square was linked to Cejl. In 1930, a heating plant was estabilished in a big garden in the south-eastern part of Lower Cejl which later expanded to most of long parcels.

Both of parts of Cejl has the face of suburban working-class suburb.



Map of the site in 12th and 13th century



Map of the site, 1858

HISTORY OF HEATING PLANT

At the beginning of the 20th century, Brno was an important center of textile industry. There were many factories which needed eletricity and heating for their production. The factories considered their own power plants due to increasing heat consumption. Professor Vladimír List came with the idea to build heating plant. He also suggested combine the production of eletricity and heating.

The building was started in 1929 and it was an unique building. Due to unsuitable subsoil, the whole building was based on piles. In 1930, the first heating plant in Czechoslovakia was started.

It originally served for delivery of steam to surrounding factories, the number of subscribers began to increase. A large number of smoking chimneys were demolished and the air in the city improved.

After the war, the area changed the owners several times. More and more subscribers joined, such as housing, authorities, other factories and hospital. The heating net was extended to the current four production sources. Steam and later hot water were delivered to newly built urban areas.

At present, the part of the area is unused and available for next development. The rest of area will be still used by the heating plant - so-called critical infrastructure, which is important for securing the energy demands of the state and which cannot be interfered with. This is enabled by changing the heat production technology and relocating the remaining parts of the production to a smaller area.

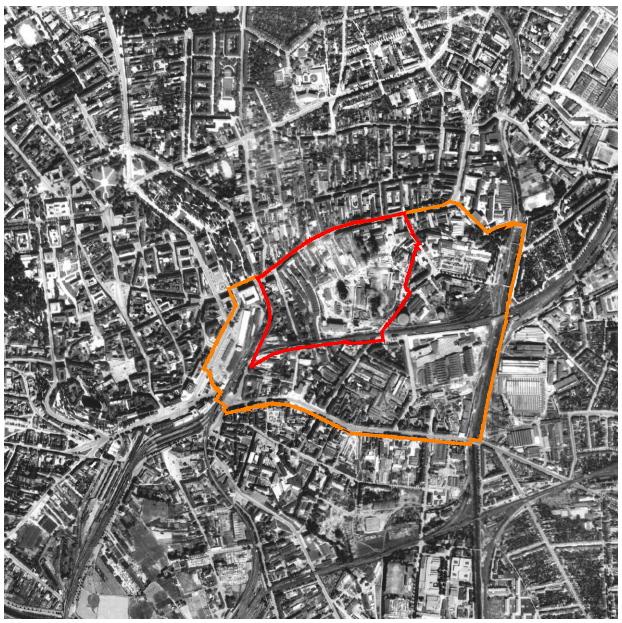
There is a possible groundwater pollution in the area and the surrounding area as well.

Due to the change of heating production technology, from solid-fuel based to gas, the risk of air pollution is minimized.

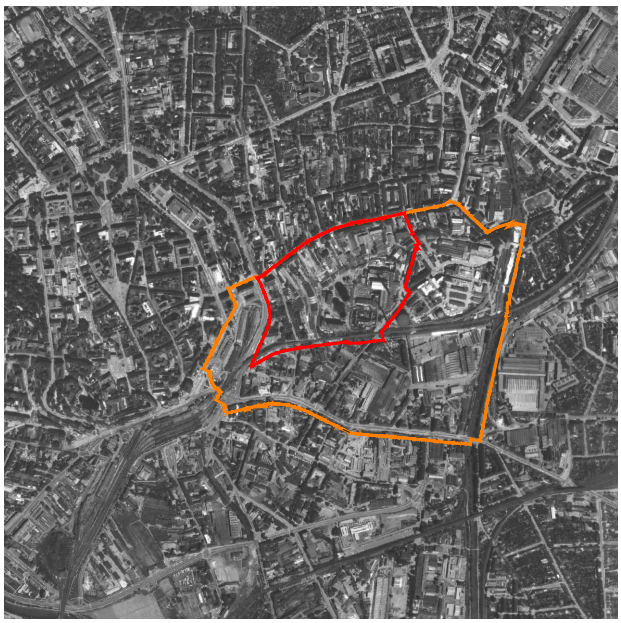
Building of heating plant under construction, 1927-1930

the area of interest
critical infrastructure
the area concerned

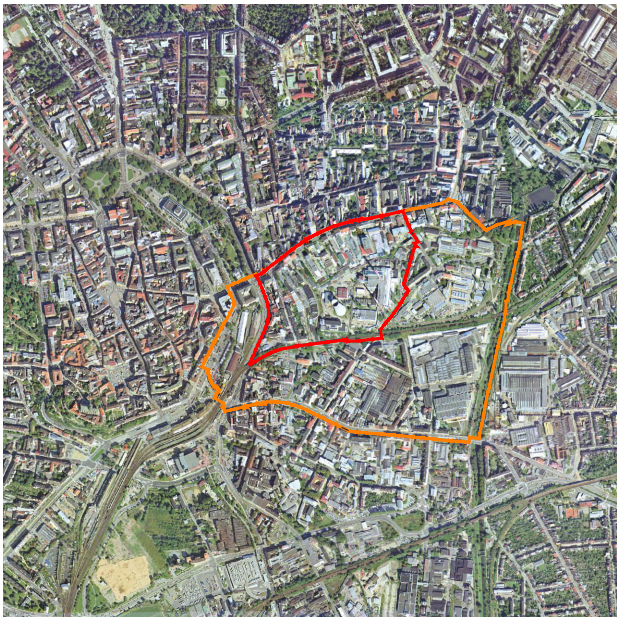
The map of critical infrastructure



The Aerial map, 1953

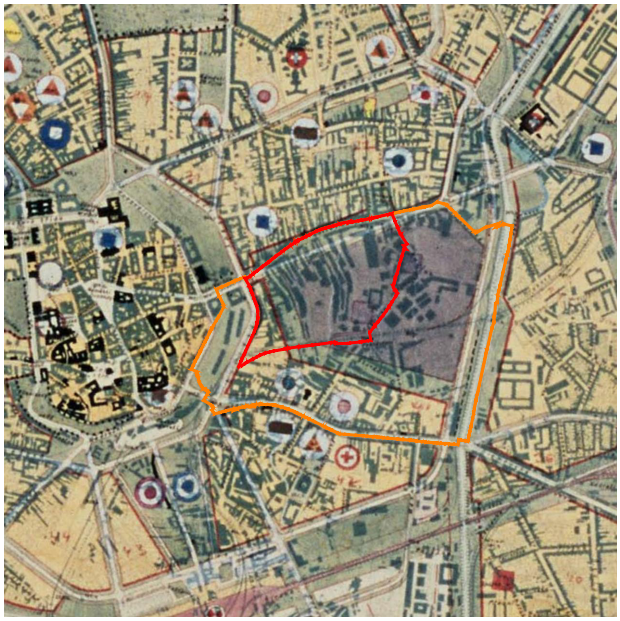


The Aerial map, 1976

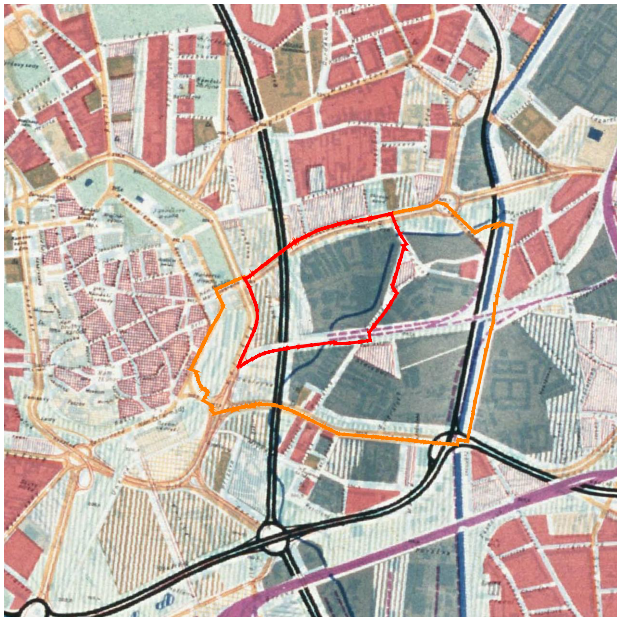


The Aerial map, 1997

The Aerial map, 2017

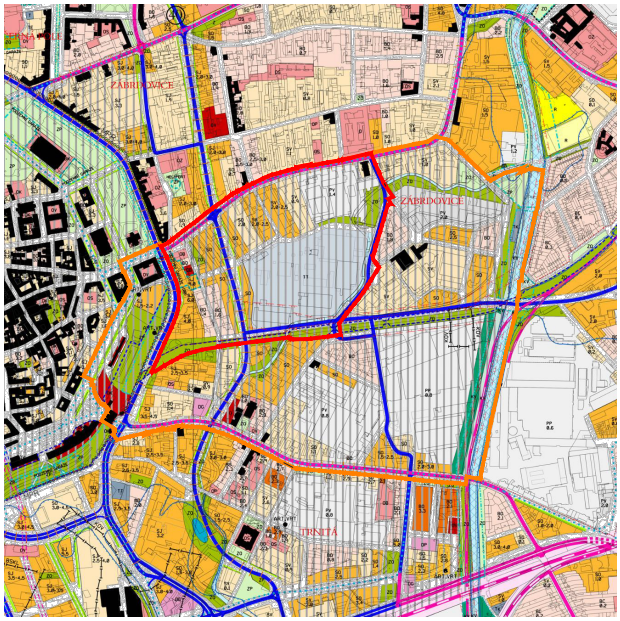


Master plan of the City of Brno (1952)



Master plan of the City of Brno (1968)

Master plan of the City of Brno (1982)



Master plan of the City of Brno (1994)

TRANSPORT

Car Transport

The site is in convenient position near the boulevards Cejl and Koliště.

The Cejl street with its tram line is used to connect the city center and Židenice across the Zábrdovice Bridge, on the other hand the Špitálka and Radlas street are service road.

Cycling

There is significant international cycling corridor Brno - Wien along the river Svitava.

Public Transport

The area of interest is served by tram lines 2,3 along the Cejl street. The site is served by line 8 and trolley at Křenová street which continues through the site to the Olomoucká street.

Railway Transport

A rail corridor is located at the southern border of the area of interest. Inside railway siding is situated in the area of heating plant.

Parking

Parking is solved in streets and parking lots in gap sites.

Future Transport Development

The valid zoning plan defines a new boulevard coming through the area of interest and the area concerned. The boulevard is planned to be a public friendly street with amenities in the ground floor, with public transport (T-bus line), cycling and pedestrian lanes.

The zoning plan also defines a new location of the main train station, approximately 700 m to the south by river Svratka. The idea of moving the train station was first designed in 1924. There were many political and activist obstacles in the process, but in 2018 the government decided to confirm the moving. The new main train station will have narrow and long platforms even for the high-speed trains (the current main train station is in a curve). The construction is expected to start in 2020 lasting 6-7 years.

Transport scheme

Scheme of public service

PUBLIC SERVICES

All of the area of interest and concerned is covered almost by industrial areas. In terms of public services, all services are concentrated along the main streets Cejl, Křenová, Koliště and Benešova which define the area concerned.

There are several kindergartens in this location at Skořepka and Křenová streets. A secondary school is situated at Cejl street. More schools are missing in this location. Public institutions are situated almost at Křenová, Benešova street and Malinovsky square.

There are several significant cultural institutions such as Káznice which will be revitalized into the Creative Centre, and several theatres next to the area concerned.

There are also the bus station in front of the Grand hotel and the Brno railway station.

GEOLOGY AND HYDROGEOLOGY

The location is situated in the floodplains upon the confluence Svratka and Svitava river, in cadastral area Zábrdovice. The predominant character consist of gravel, sandy gravel, coarse and middle grainy sand and clays.

There are not landslides in this location, slope instability occurs only rarely on artificial slopes. The occurance of the thick embankment is discontinuous and random, there is the occurance of irregular embankment in the places with buildings.

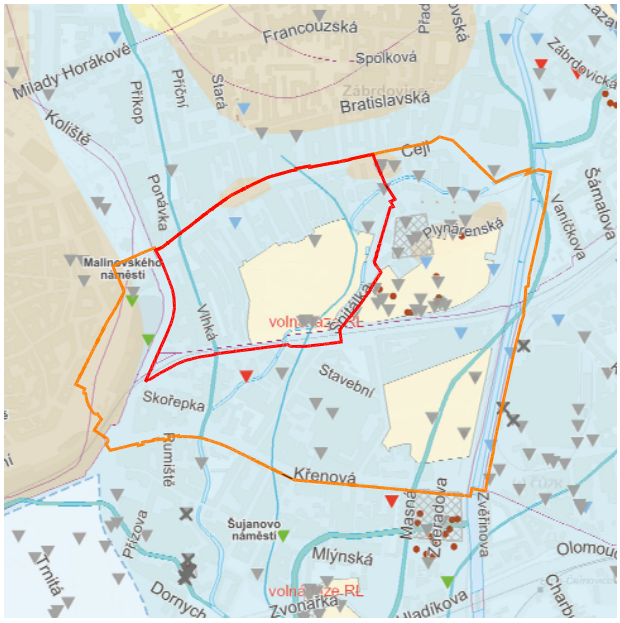
There are thick embankment with uncontinuous and random occurance, irregular embankment under the buildings. The foundational conditions are difficult for normal construction and for demanding buildings.

Groundwater pollution

The heating plants is the risk area in infiltration of rainwater. There is a contamination of groundwater and the soil with petroleum in the area.

Before the construction, it is necessary to verify the soil pollution in this area and its surroundings. Then it may be restricted or forbidded the use of water sources.

Other parts of the area of interest are suitable for infiltration of rainwater.



Scheme of geology and hydrogeology

INFILTRATION

- infiltration - suitable I
- infiltration - suitable II
- infiltration conditionally suitable
- infiltration unsuitable
- infiltration unrealable
- risk area for infiltration
- sanitation pumping wells
- hydrogeologic pumping wells
- horizontal wells
- horizontal wells - II. phase
- hydrogeologic wells
- wells for next monitoring
- cancelled wells

Scheme of contamination

LEGEND

- soil contamination
- bottom water contamination
- potential contamination
- without contamination
- not classified
- area of interest
- area concerned

ZONE PLANNING DOCUMENTATION

In valid zoning plan the area of heating plants are in the area TT-heating. These areas are for technical infrastructure. It serves for supply networks.

Other areas are in area SO-mixed areas of trades and services, used to place business premises and administration. Areas SV-mixed areas and services are for industrial buildings which not disturb the housing. There are areas SJ-areas core and central character.

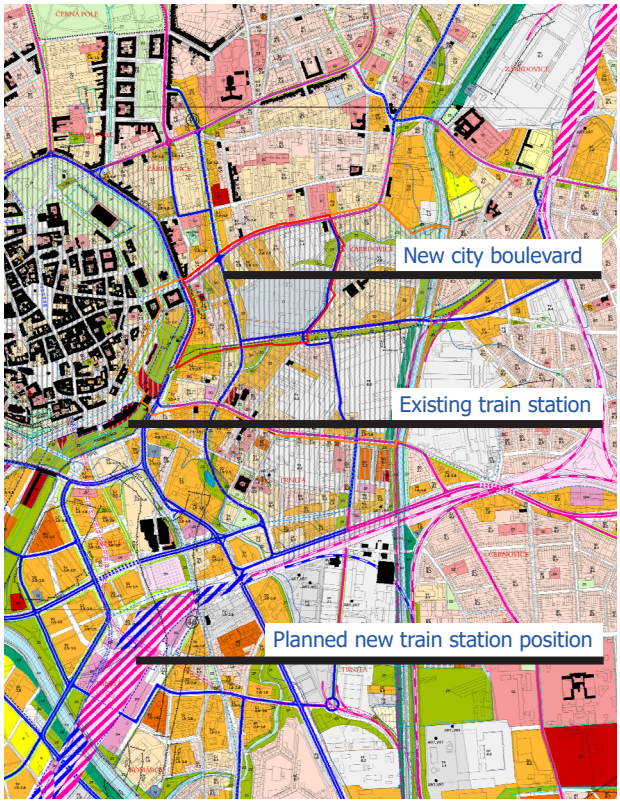
Areas BO-areas of housing where GFA of housing is more than 60%.

Areas PV-areas for production for place service objects without negative impact on the surroundings.

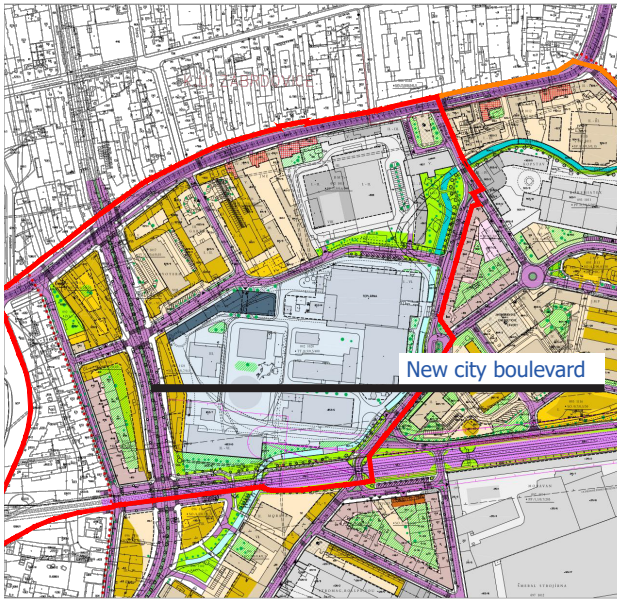
Areas ZO-areas for urban green which include greenery in public space and in streets.

The location is refined with the regulatory plan Cejl-Křenová.

The competition has an aim to change the Brno Master Plan and regulatory plan of location, it is not necessary to keep these plans within the scope of area of interest and concerned area.



Land use, valid zoning plan, 1994



Regulatory plan of the site

DEVELOPMENT LOCATIONS

In the direction relations to the area of interest these development areas are located (GFA - gross floor area):

1. Vlněna

Vlněna office centre include office buildings with park and is divided into a several phases. First phase is in advanced construction phase.

site area	cca 6 ha
GFA (1st phase)	cca 51 945 m^2
GFA (2nd phase)	reconstruction of existing Bochner Palace
GFA (3rd phase)	cca 24 562 m^2

2. Šmeral's factory

Existing production facility, the owner examines possibilities of complex transformation - trade, administration, housing.

site area	cca 11 ha
potential GFA	281.000 m^2

3. Innogy

Existing gas plant, the owner prepares a comprehensive transformation - trade, administration, housing.

site area	cca 7 ha
potential GFA	cca 131 100 m^2

4. Mosilana - Ponávka revitalization

Existing production and administrative area undergoing transformation - trade, administration, housing.

site area	cca 4 ha
potential GFA	100.000 m^2

5. Dřevopodnik

Brownfield with transformation potential, in which the city searches for possibilities of utilization - trade, administration, housing.

site area	cca 2 ha
potential GFA	30 - 70.000 m^2

revitalization projects
brownfields
area of interest
zoning plan changes
extent of intervention into Heating plant area
area concerned

1 Vlněna
2 Šmeral
3 Innogy
4 Dřevopodnik
5 Mosilana

The scheme of development surroundings location

Changes of Zoning Plan as Part of Revitalization Projects

Vlněna, Dřevopodnik and Mosilana locations are solved in change no. B139/15-0. More can be found in document P17.

There are other brownfields nearby. We can name these the most significant:

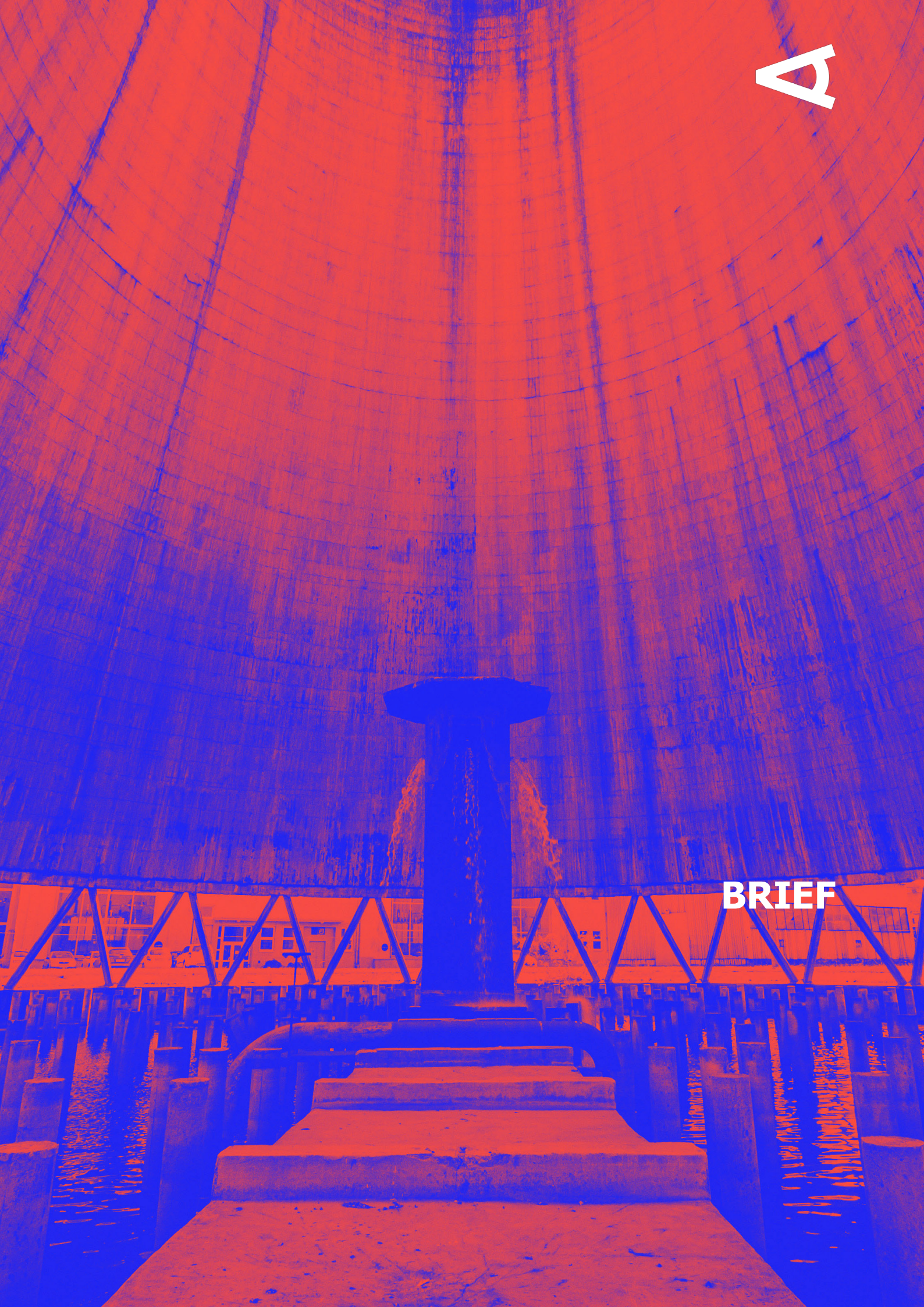
- the area of the former prison, Bratislavská, where the preparation of the Creative Centre Brno project is taking place
- extensive Zbrojovka area where the gradual revitalization takes place (see document P17)
- area of former Technical services Skořepka;
- site Masná-Křenová;
- site of former Brno Felt Factory,
- site Cejl - Jana Svobody.

and others.

The Svitava drive was solved within the international project REURIS (https://ponavka.brno.cz/index and document P17 - in Czech only).

CITY OF BRNO LONG-TERM STRATEGIES

The city of Brno has defined its long-term strategies in Brno 2050 (https://brno2050.cz/strategy-for-brno-2050/ and document P09). The main focus areas are quality of life, city governance and city resources.



A

BRIEF

COMPETITION BRIEF

The subject of competition is an urban planning solution of the location „Špitálka" in Brno Zábrdovice. Urban design will be in the range of study which estabilishes the range, form and functional use of this location including connections to surrounding areas. The proposal will fulfill the existing urban space requirements including living functions and complemented by more functions and areas needed within the context of the location.

Due to the importance of this location the area of interest and the concerned area need to be solved as a whole with designed links between these areas.

The aim of the city is a gradual revitalization of the brownfields east of the centre of Brno, including Špitálka. For future design of the smart district, it is necessary to solve this area from the urban point in a comprehesive way. The construction in western part of Teplárny Brno a.s. - Špitálka should be the 1st stage of gradual modernization of the whole area of interest.

The subject of the proposal is almost to find optimal use for this area with emhasis on sustainable development, maximum possible energy efficiency and self-sufficiency, adaptability to climate changes and social resilience. During creating the urban concept it is necessary to work with shaping of building in terms with heating losses, orientation to the world, take into account the outlook of Brno, existing and future noise pollution of the location, all in order to ensure a healthy environment in this location.

The area of interest has a significant potential of area development and there are no studies which design its urban development. The purpose to declare the urban competition is one of steps taken from the City Council approved procedure of using the western part of area Teplárny Brno a.s.--Špitálka to create investment and replication plan within project „Rotterdam, Umeå and Glasgow: Generating Exemplar Districts In Sustainable Energy Deployment" (RUGGEDISED) and planned future construction smart city (www.ruggedised.eu).

THE COMPETITION BRIEF DOES NOT COMPLY WITH THE REQUIREMENTS WHICH NON-COMPLIANCE WILL BE THE REASON TO REMOVE THE COMPETITION SUBMITTAL FROM ASSESSMENT AND TO EXCLUDE THE PARTICIPANT FROM THE COMPETITION.

NON-COMPLIANCE WITH THESE REQUIREMENTS IS **NOT** A REASON TO REMOVE THE COMPETITION SUBMISSION FROM ASSESSMENT AND TO EXCLUDE A PARTICIPANT FROM THE COMPETITION. THE QUALITY AND COMPLEXITY OF PROCESSING THESE REQUIREMENTS IN THE COMPETITION DESIGN IS ONE OF THE EVALUATION CRITERIA FOR THE COMPETITION AND WILL BE SUBJECT TO ASSESSMENT BY THE JURY.

The announcer of competition demands to respect:

- urban planning requirements;
- green infrastructure requirements;
- traffic and technical infrastructure requirements.

These requirements are described in detail in following parts.

COMPETITION SITE

The competition scope of work is necessary to be placed only in the area of interest, also the balance sheet will be completed only for the area of interest.

Areas of area concerned are not the subject of solution, but they have a direct connection onto the area of interest, so the announcer of the competition recommends defining the character and form of their use. For the purposes of this competition, it is not necessary to respect the functional areas of valid zoning plan in the area of interest and concerned. In area concerned, assume functions considering with the public interest.

URBAN PLANNING REQUIREMENTS

- completion of local centers (streets, squares etc.) with residential houses with a commercial ground floor which allows placement spaces eg. healthy, family/maternity centre etc.
- placement of individual types of public spaces (a street, a square, a park, etc.) and their hierarchy to create functional public spaces
- work with spaces character (public - semi-public - semi-private - private)
- structure of functions (functional areas) in relation to the surrounding areas - placement of functional areas to suitably complement existing functions and react to existing and new buildings and their needs. In surroundings areas (except the area of interest and concerned) respect the valid zoning plan and its planned changes.
- balance between inovation and tradition - working with the historical structures while preserving the genius loci of the industrial district
- social aspects - fluctulation and gentrification prevention, occurrence of excluded location by applications of different sizes of flats equally represented, and connection of the location to the existing district
- principles of compact city - city strategy of building compact mixed-use city districts
- development strategy - description of the phases
- minimization of monofunctional areas in behalf of even distribution of functions through the whole area and with regard to availability from the existing urban structure
- the proposal will describe the application of the seven principles of Smart City Brno concept, which are:

Openness - the city should be open to ideas, suggestions and solutions and it should be able to use its data trasparently and efficiently to create new solutions, applications, motivations to business and create new jobs and services

Responsibility - the city should be developed for next generations so its inhabitants can experience a high quality of life, functioning services and hifh level of security and order in the city

Modularity - the urban ecosystem can help the city to find optimal and adequate technological solutions which do not lead to dependency on suppliers. It allows to modularly add or remove segments which do not meet the needs of the city users and replace them with new and more efficient solutions.

Consideration - to the citizens and the environment - the city should be managed in a way that the development does not have a negative impact on the environment (quality of life in the city) and where necessary the negative impacts of the development should be suitably compensated

Efficiency - the city should see its development as an opportunity to think and to find solutions that stimulate job creation and its economic development. At the same time it should be efficient and gentle in its management (low operating, economical and energy costs). It includes innovative business models that enable small and medium-sized businesses to be involved, including start-up companies for which the city creates supportive environment

Diversity - the city should give the posibility of wide range of options (leisure activities) not only in terms of generic offers but also in sufficient accesibilitity in different parts of the city and not to stimulate the extra mobility that costs additional resources and energy

Cleverness - the city should use the knowledge potential which it has at disposal effectively and should find a way to apply them to development and day-to-day operations. Not only centres of excellent science but also start-ups can use the city as its laboratory or as a reference environment.

GREEN INFRASTRUCTURE REQUIREMENTS

Place sufficient amount of greenery in new public spaces - in the form of lines in the streets or in the form of parks or green courtyards.

TRAFFIC AND TECHNICAL REQUIREMENTS

A transport solution, which is the part of urban design, will be designed based on following requirements:

- respect critical infrastructure in the area of interest
- in the area there will be the street which is called „New City Boulevard" now. It is not necessary to keep to its traffic character - north-south radial of city-forming significance (see document P18)
- the shape, position and character of the „New City Boulevard" will be the part of proposal, it is necessary to connect it on the boundary of area of interest with its expected leading according to the valid zoning plan
- in New City Boulevard assume the T bus line
- respect all types of transport with priority on pedestrians
- transport connection correspoding to the size, expected capacities and structure of area in context of all of city district, the planned City Big Circuit, restrictions on mobility with regard to surrounding city districts
- transport links not only onto existing and developmental structures, but also on future structures including a design of public transport
- requirements for parking and parking spaces of individual functions design in accordance with contemporary European trends and in accordance with the expected development of individual and public transport character
- a part of rainwater will be collected for the needs of grouting or water infiltration taking in account current trends in the rainwater management and long-term evolution of these tendencies. The proposed forms must be technically feasible in the area of interest.
- the proposal will be solved with existing engineering networks efficiently to avoid unnecessary investment.

PROOF OF THE COMPETITION REQUIREMENTS COMPLIANCE

Competition submissions must include filled out balance sheets - see document P04.

In Brno, 12th October 2018

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