

# ADAPTIVE

# REUSE

*Studio of Innovative Public Spaces  
Comprehensive and Diploma Design  
2020/2021 spring*

*of Former City Thermal Power Station of Székesfehérvár*

**körép**

BME DEPARTMENT OF  
PUBLIC BUILDING  
DESIGN

*Former City Thermal Power Station of Székesfehérvár  
Photo: Attila Lantay*





*What can we do with abandoned industrial areas and the buildings that used to be located on them? How can brownfields - which often occupy a central place in the core of settlements - be transformed parts of city center, and busy public spaces according to their position? What innovative tools do we have at our disposal to save industrial buildings that do not represent monumental values but are too much valuable to be demolished, destroying industrial historical relics, erasing the memory of the industrial landscape? Stay with us in Székesfehérvár, in Víziváros, in the area of the former Gas Factory, to discover former industrial buildings! The special abandoned industrial landscape, layered in time and space, is waiting for you too!*

## DESIGN PLOTS

Design plot is located between Gáz, Sarló, Gőzmalom and Király streets. The eastern part of the former royal seat was a rural suburb before the advent of industrial activity, which almost completely disappeared due to the new investments of productive activities and residential settlements built during the socialist period. After the turn of the millennium, the world changed a lot. The service activities that previously specialized in energy production (gas, electricity, district heating) are partly moving from here to the outskirts of the city - partly as a result of the transformation, greener and more modern energy supply industry. The former periphery became centre. The vacant site of the district heating company in Székesfehérvár (Széphő) is located in the middle of the block, with several valuable industrial buildings that are waiting to be reutilized. The two most significant are the Central Building (BW) (1922), an early reinforced concrete boiler house and turbine engine house, and the other is a steel-framed boiler house (power plant) (1986) for the production of hot water for district heating. Latter has a characteristic C-glass facade system.

## RESEARCH TOPIC

Adaptive reuse

## DESIGN PROGRAM

Most important question about the area is how to open the it, how to fill it with public functions and reintegrate it into the city's bloodstream. It has been closed previously due to the industrial activity. The housing estate around it is poorly equipped with community infrastructure, so it obviously offers a vacant space for them. Székesfehérvár also started in the European Capital of Culture 2024 competition, it gave the idea that the area not far from the city center should be turned into a sub-center and a public zone for cultural institutions. Three institutions are looking for a place in the area: a Knowledge Centre, which accomodates the now fragmented city libraries into a central collection, the Concert Hall, which is the center and permanent home of the local symphony orchestra, and the Museum of Technical History. The main objective of the revitalization of the area and the implementation of the three planning programs is to interpret and put into context the rich and layered heritage of the area and to preserve its architectural values in a worthy way. Within the wider, urban environment of the former industrial area, it defines its role and settles the entire area of the site. In addition to the buildings, additional program elements should be proposed to be placed in the location, which will help to inhabit the area and strengthen its vitality.

## AUXILIARY MATERIALS, PRELIMINARY RESOURCES FOR THE TWO SITES

In addition to the rich aids of the job descriptions (site plans, archeological materials), for the first part of the spring semester we will also prepare a reader's booklet that will inspire complex planning and collect exciting texts related to the topic. We recommend the following resources for getting to know the locations: (unfortunately they are available only in Hungarian)

### History of Heating Station

- Vajgerné Böhm Erika: 100 éves a Székesfehérvári Erőmű, Fűtőerőmű Kft. 2003
- [Sárvári Elemér: A székesfehérvári Gázgyár történetel1872-1973.](#)
- [Fejér Megyei Történeti Évkönyv 10. Székesfehérvár, 1976](#)
- [Széphő vállalat-történet](#)

### History of Location

- [Demeter Zsófia, Gerencsér Ferenc: Székesfehérvár Anno...Pillanatképek egy város életéből, István Király Múzeum Közleménye, Székesfehérvár 1990](#)
- Kovács Eleonora, Víziváros - Egy fehérvári városrész története, Tarsoly Kiadó, Székesfehérvár - Budapest, 2013
- Rostási Szabó Imréné Hegedűs Mária: A mi Vízivárosunk
- [Kulturális örökségvédelmi hatástanulmány 2010 Székesfehérvár](#)



## PROGRAMS WITH GUESTS

During the semester we are going to invite Attila Lantay the chief architect of Székesfehérvár, and Eleonora Kovács. She is a historian well acquainted with the field and architects who have interpreted similarly dense sites with the varied tools of contemporary architecture. We also organize related visits, walks, performances for the members of the studio - depending on pandemic situation.

### Planned visits:

- Csontos Györgyi DLA, (Mixa Studio): Kulturfactory, Ózd
- Borzsák Veronika DLA, Varga Piroska DLA: Rudapithecus Show Place, Felsőtelekes - Rudabánya
- (Participating architects: Dr habil Vasáros Zsolt DLA, Megyesi Zsolt, Nagy Gábor, Sasvári Áron, Somlai Anikó (Narmer Építészeti Stúdió), Borzsák Veronika, Varga Piroska, Antal Gabriella)
- Marosi Miklós (KÖZTI): Eiffel műhelyház, Budapest

## TUTORS OF INNOVATIVE STUDIO IN ENGLISH

[Bartha András Márk DLA](#) assistant professor  
[Klobusovszki Péter DLA](#) associate professor  
[Schrammel Zoltán DLA](#) assistant professor

## GUEST TUTOR

Balázs Marián DLA associate professor (Moholy-Nagy Művészeti Egyetem)  
([Gereben Marián Építészek](#))

## ENGINEER CONSULTANTS

Students consult with cooperating engineer consultants of design of

Loadbearing Structures:  
Building Constructions  
Construction Management and Technology  
Building Services

During the semester, we organise two "Constructions' Day", with participation of cooperating consultants, where they review, comment on and assist the design of you, and at the beginning of the semester they prepare a professional assignment and an introductory lecture adapted to the design task.

## INSPIRING CONTEMPORARY REFERENCES OF SIMILAR INVESTMENTS

- H&deM, 201, Caixa Forum, Madrid, 2003-2008
- Ortner és Ortner, NRW State archive, Duisburg, 2014
- Tadao Ando, Punta Della Dogana, Venice, 2009
- Heatherwick Studio, Zeitz Museum of Contemporary Art Africa, Cape Town, 2017
- Caruso St John, Newport Street Gallery, London, 2004-2015
- OMA, Fondazione Prada, Milano, 2015
- Lacaton & Vassal, FRAC Dunkerque Dunkirk, 2013
- AP atelier, Reconstruction of Ironworks, Ostrava, 2015
- BAAS architektura + Grupa 5 Architekci + Maleccy Biuro Projektowe: Silesian university, Faculty of Radio and Televisin, Katowice, PL
- Gutgut, Mlynica factory refurbishment, Bratislava 2017