

PROF
LIFE

GROUP
tspc

MIHÁLY KÁDÁR

OWNER AND CEO
OF TSPC



Mihály Kádár established TSPC Group in 2012 with the goal of delivering complex solutions with his colleagues in the fields of architecture, technical expert consultancy and expert tasks. Committed to innovation, Mihály strives to accompany his clients on their road from the first handshake to the actual realization of the project with state-of-the-art solutions, both in domestic and international projects.

As CEO of the company, Mihály enjoys a business clientele of great prestige still, what he loves most about his work is when he can join his team of experts at the desk to work on some special solutions together.

DELIVERING SOLUTIONS

TSPC Group provides full-service packages to its clients, accompanying them along their projects, from the first idea to implementation. TSPC is committed to sustainability, green philosophy, and innovation: We provide our solutions using the currently available highest level of expertise and technology, shaping the architecture of the future.

EXPERTISE & EXPERIENCE

TSPC has organised the experts of architectural and engineering projects in a single group of companies, to provide the complex expertise and efficient work organisation required for the management of the complete project process to its clients. We provide advanced training possibilities and state-of-the-art technological background to our employees.

10 YEARS	110+ COMPLETED PROJECTS	200+ EMPLOYEES	1,5 MILLION SQUARE METERS DESIGNED	7 OFFICES
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SERVICES



ARCHITECTURAL DESIGN

General design
Architectural design
Interior design
Landscape design
Urban design, city planning
BOQ (Bill of Quantities)
Feasibility studies
Detailed construction drawings
Construction supervision



ENGINEERING DESIGN

Structural design
MEP design (Electric engineering, HVAC design, Building services engineering)
Fire safety design
Road and public utility design
Technical consultancy
Geodesy



CLIMATE ENVIRONMENT ENGINEERING DESIGN

Energy efficiency & optimization
Building comfort & well being
Building Climate Modelling Simulations
Environmental consultancy
WELL, LEED, BREEAM, DGNB consultancy



BIM

ArchiCAD, Revit, Solibri, Nemetschek and Tekla support in BIM
BIM consultancy
BIM management
BIM modelling and 2D file preparation
Sharepoint, Plan-doc
Point cloud processing
On-site BIM Solutions



REAL ESTATE & CONSULTANCY

Feasibility studies
Turnkey developments
Operation planning
Development site identification
Facility Management
Due diligence



PROJECT MANAGEMENT

Public procurement consultancy
Scheduling
Budgeting design & control
Expert Services & Consultancy
Designer supervision
Technical supervision
Organizational plans



SURVEILLANCE & DIAGNOSTICS

Building survey
Geodesy
Point cloud survey
3D laser scanning
Energy analysis of existing buildings
Building energetics
Structural diagnostics

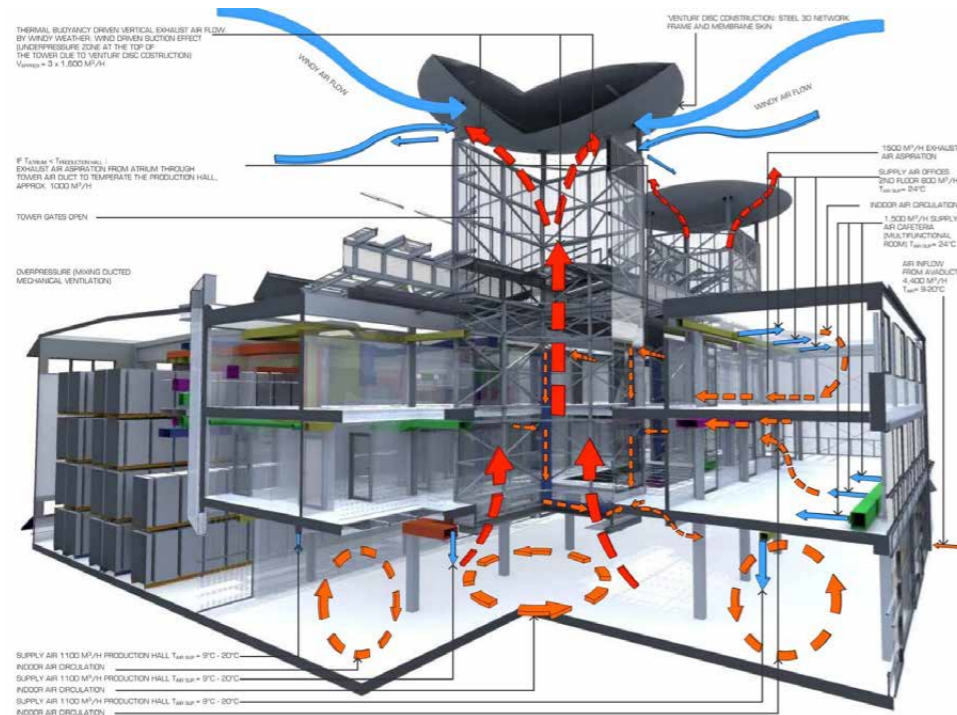
CEED CLIMATE ENVIRONMENT ENGINEERING DESIGN

The TSPC CEED design process has three closely interlinked legs. The first leg is climate modelling which involves modelling the internal climate conditions of the building using cutting-edge dynamic simulation software.

The second is Elco Power, which puts centuries of Scandinavian knowledge into practice by offering industrial waste heat recovery solutions that enable low-temperature heat (waste heat or geothermal heat) to be used to generate electricity without emitting any pollutants.

The third leg is the optimization of building services systems (e.g. HVAC) carried out by Comfort Consulting, and the suggestion of more cost-effective and economical systems to build and operate.

TSPC in cooperation with its two external partners is able to optimize the energy and building services engineering of any industrial building of any size and type.



CLIMATE MODELLING

Prof. Dr. habil István Kistelegdi DLA, Ph.D. – Chief Building Climate Modelling Specialist

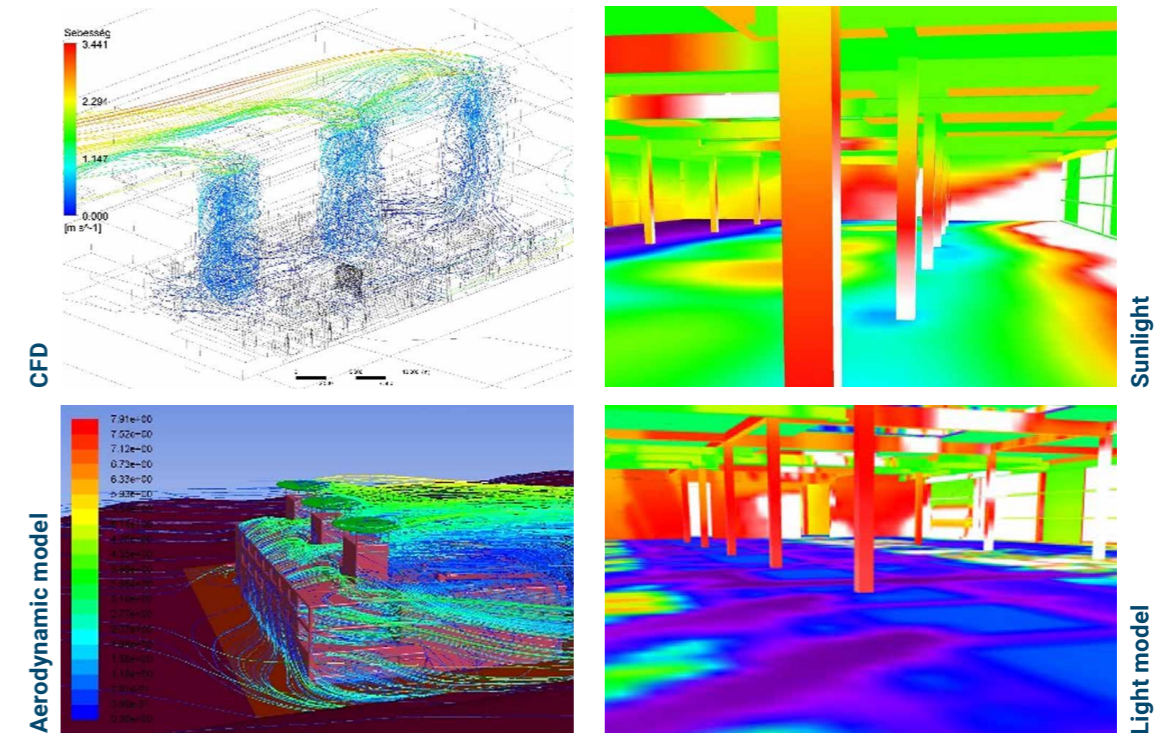
Dynamic simulation-based building climate modelling with long-term meteorological data for a geographical location

ELCO POWER

SRM Powerbox technologies enable us to economically generate electricity from waste heat and low temperature geothermal sources.

COMFORT CONSULTING

Preparation of energy audits, the provision of energy specialist service, participation in energy rationalization tenders, commissioning, and engineering consultancy in the fields of HVAC and building energy.



OFFICES



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SLOVAKIA > Komárno
CROATIA > Zagreb
HONG KONG

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INNOVATIVE SOLUTIONS

Our dynamic and young team provides market leading expertise in the optimal use of BIM-based services, meaning our clients may “enter” the envisioned building in the early stages of planning, not only rendering the project more cost-efficient, but also maximising customer satisfaction. Our innovative solutions are provided by following and applying the most advanced technology available.

AWARDS & CERTIFICATIONS

PUBLIC URBAN RENEWAL AWARD: Millenáris Széllkapu Park – 2021
BIG SEE ARCHITECTURE AWARDS: Millenáris Széllkapu Park – 2021
FIABCI GRAND PRIX D’EXCELLENCE AWARD WINNER: Millenáris Széllkapu Park – 2021
FIABCI HUNGARY PRIX D’EXCELLENCE: Millenáris Széllkapu Park – 2021; Castle of Tura – 2022;
University of Pécs Faculty of Medicine – 2023;
CONSTRUCTION EXCELLENCE AWARD: Károlyi-Csekonics Palace Ensemble – 2021;
University of Pécs Faculty of Medicine – 2022; Nádasdy Castle – 2022
MEDIA ARCHITECTURE AWARD: József Mindszenty Museum – 2023;
HOUSE OF THE YEAR AUDIENCE AWARD: József Mindszenty Museum – 2023;

Quality Management System – ISO 9001:2015/MSZEN ISO 9001:2015
Environmental Management System – ISO 14001:2015/MSZ EN ISO 14001:2015
Occupational Health Protection and Safety Management System – OHSAS 18001:2007/MSZ 28001:2008
Military Quality Management System – NATO AQAP 2110:2016/497-6/2018
Anti-Corruption Management System (ACMS) – ISO 37001:2016 / MSZ ISO 37001:2019
Information Security Information Management System (IBIR) – ISO/IEC 27001:2013 / MSZ ISO 27001:2014
Information organisation and digitisation for buildings and engineering works, including building information modelling (BIM). Information management using building information modelling.Part 2: Implementation phase of facilities – ISO 19650-2:2018 / MSZ EN ISO 19650-2:2019
National, NATO and EU Site Security Clearance



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SPORTS
COMPLEXES



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CULTURAL
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EDUCATIONAL
INSTITUTIONS



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01

MILLENÁRIS
SZÉLLKAPU PARK

02

DUNAKAPU SQUARE
AND UNDERGROUND
CAR PARK

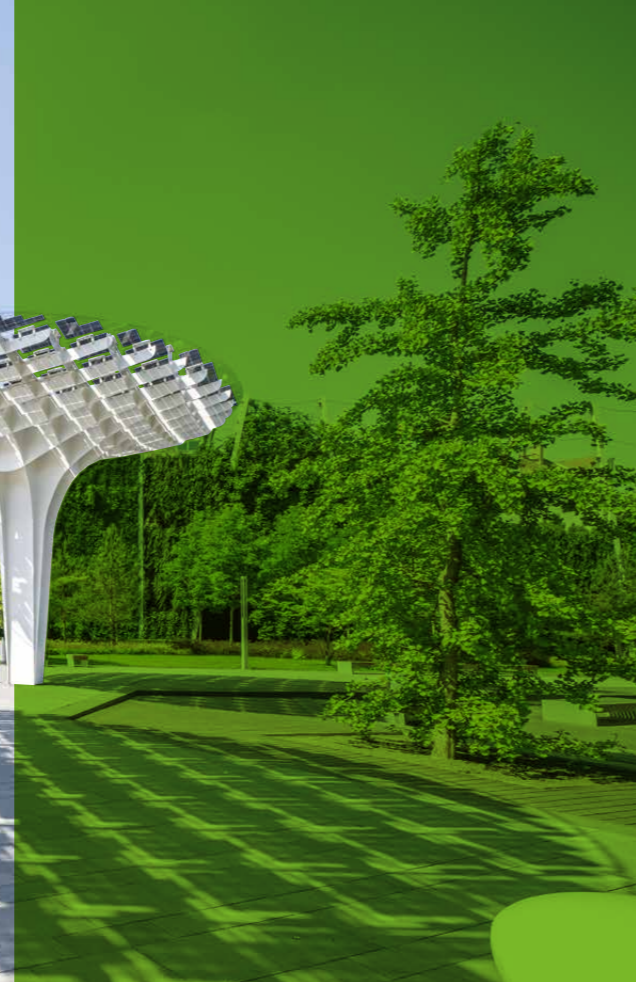
03

MARKUSOVSKY
SQUARE

04

CALAMITY
ATELIER

01



MILLENÁRIS SZÉLLKAPU PARK

year
2016
2018

The modern recreational park with the largest three-dimensional vertical garden in Central Europe, a cherry tree grove, a forestfield-lake trio, spectacular solar panels and 330 new trees was opened in Budapest.

The park is organized into three parts: the dense vegetation part resembles a forest, the wildflower part reminds one of the Hungarian fields, while at the meeting of the two parts, the 650 m² lake evokes the world of fresh waters. The architectural focal point of the park features three, individually designed solar panels providing shade and

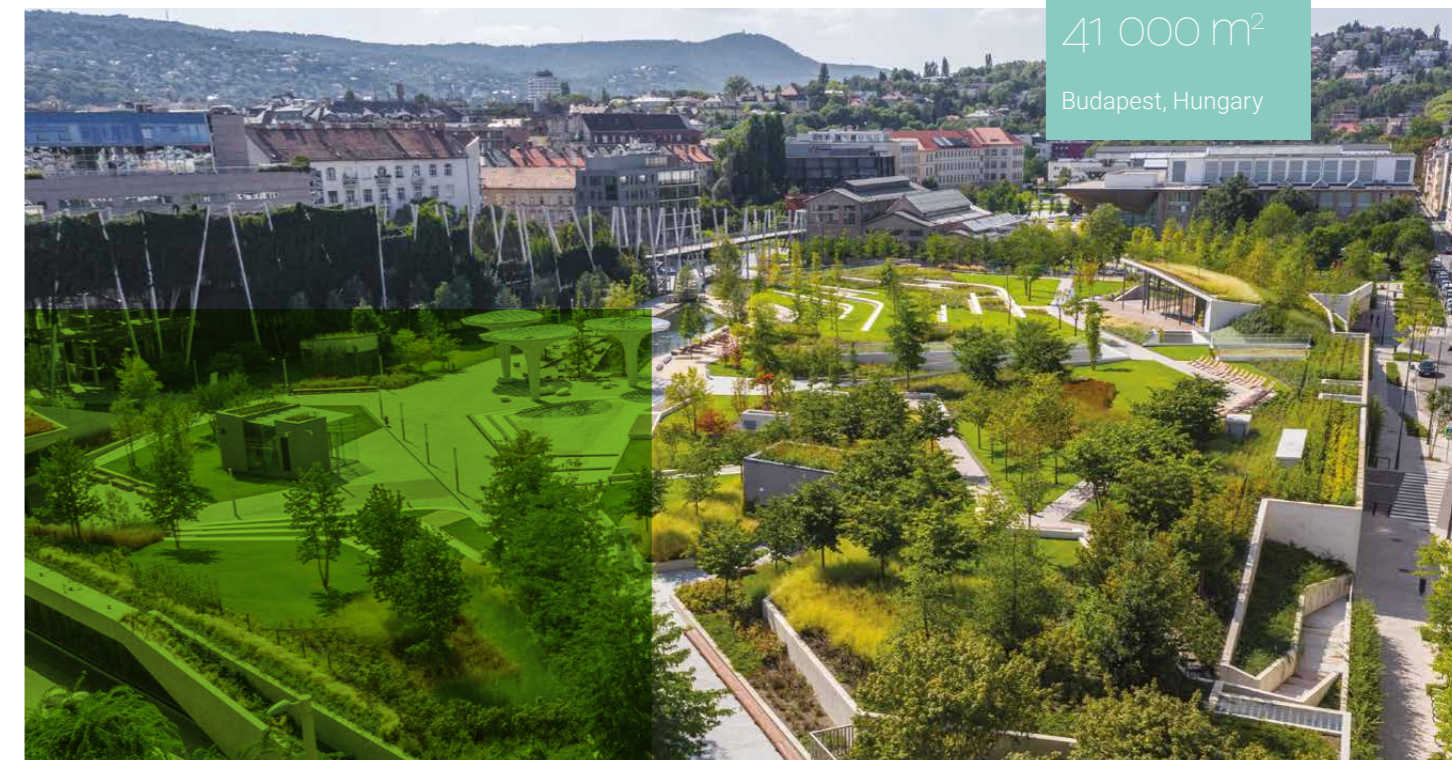
contribution to the energy supply. There is a 500-space car park with electric car charging stations and bicycle storage room under the park. Széllkapu park is a green island located at one of the most air polluted parts of the city aired by fresh winds.

SERVICES: conceptual design, basic design, interior design, design plan, video, building permit drawings, detailed construction drawings, budgeting, BIM, infrastructure design, utility design, contractor's documentation, geodesic survey, technical supervision, project management

PUBLIC PARK AND
UNDERGROUND
CAR PARK

41 000 m²

Budapest, Hungary



02

DUNAKAPU SQUARE

AND UNDERGROUND CAR PARK

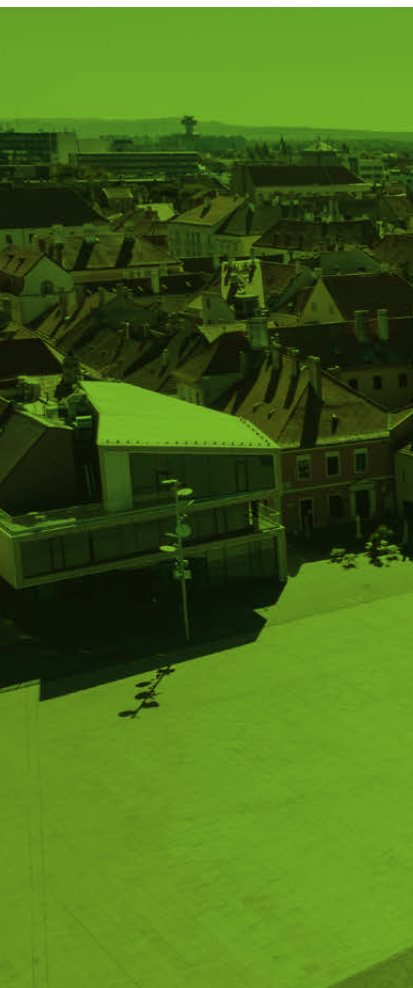
year

2011
2013

PUBLIC SQUARE
AND UNDER-
GROUND CAR PARK

14 100 m²

Győr, Hungary



Dunakapu Square is the largest public square in the centre of Győr, a community meeting point and a representative event venue with a modern underground garage. The architectural design leads the visitors' eyes toward the Danube Bank and the monument buildings along the longer side of the square.

The Pulse statue is part of the conceptual design, which provides an exciting perception of the surroundings through its reflection. Its location and function make Dunakapu Square one of the most important meeting points of Győr.

SERVICES: detailed construction drawings, building permit drawings, project management, technical supervision



03



MARKU- SOVSZKY SQUARE

year
2021—

The Municipality of Ferencváros intends to renew the square with modern recreation zones, a new playground, a dog runner, a safe, orderly and transparent environment. The aim is to replace the outdated, unsafe area, which has become unsuitable for quality leisure activities, with a high-quality, well-organised space of European standard. The square will have 4500 m² of functional green space, with around 50 new trees. There will also be an outdoor gym, a sports field, a modern playground, green pergolas and rest areas for pedestrians, a new public toilet and new bike storage facilities.

To alleviate the serious parking difficulties in the area and the currently unresolved parking situation around the square, the municipality intends to build an underground car park, which will provide 120 parking spaces under the entire parking area. The Markusovszky Square will be equipped with 24 surface bicycle stands and 11 MOL Bubi stations.

Services: concept plan

PUBLIC SQUARE
9300 m²
Budapest, Hungary



04

CALAMITY ATELIER

year
2019

OPEN-AIR
CONTEMPORARY
ART EXHIBITION
AREA

1 346 m²

Borgo Valsugana, Italy



An open-air contemporary art exhibition area set up on the slopes of the Sella Valley, near the town of Borgo Valsugana. A specialty of the exhibition is that here the works of art coexist with the environment, and decompose after a certain time, reflecting the natural cycle of life.

In 2018, a severe storm hit the area. The Owners decided not to restore the site heavily damaged by the storm; instead they initiated a design competition to involve contemporary artists in a system of workshops and architectural design. A key element of the concept is to create buildings in harmony with the existing hiking trails.

SERVICES: conceptual design, design plan





SPORTS COMPLEXES

01

TISZAVIRÁG
SWIMMING POOL OF SZEGED

02

MUNICIPAL SWIMMING POOL
AND SPORTS COMPLEX
OF ZALAEGERSZEG

03

BERCSÉNYI LIGET
SPORTS COMPLEX

04

LIPICA EQUESTRIAN CENTRE
IN SZILVÁSVÁRAD

05

TÜSKE
SWIMMING POOL COMPLEX

01



TISZAVIRÁG

SWIMMING POOL OF SZEGED

year
2016
2020

In the Tiszavirág swimming pool, a 50-metre competition pool complying with the World Aquatics requirements with a movable partition and ten lanes, a warm-up and warm water pool and a relaxing seating pool are waiting for the visitors. A 1200-seat grandstand has been built in the swimming pool hall. The naturally lit pool hall can also be used for television broadcasting as special sports lighting has been installed. The sports complex is doing more for a sustainable environment: 320 new trees have been planted, a solar park of 750 panels has been installed on

the roof, and the purified pool water that becomes surplus during water exchange is used to irrigate the surrounding green areas and the green roof together with rainwater. The area has 188 bicycle parking spaces, 14 bus parking spaces, 317 car parking spaces and disabled parking spaces to facilitate easy and quick access. In addition to the swimming pools, the sports complex also includes a wellness area, gym, conference room, crèche, classrooms, offices and shops.

SERVICES: general architectural design, BIM, sports technology

SPORTS FACILITY,
SWIMMING POOL
13 000 m²
Szeged, Hungary





MUNICIPAL SWIMMING POOL

AND SPORTS COMPLEX OF ZALAEGRSZEG

year
2015
2019

SPORTS FACILITY,
SWIMMING POOL

8 900 m²

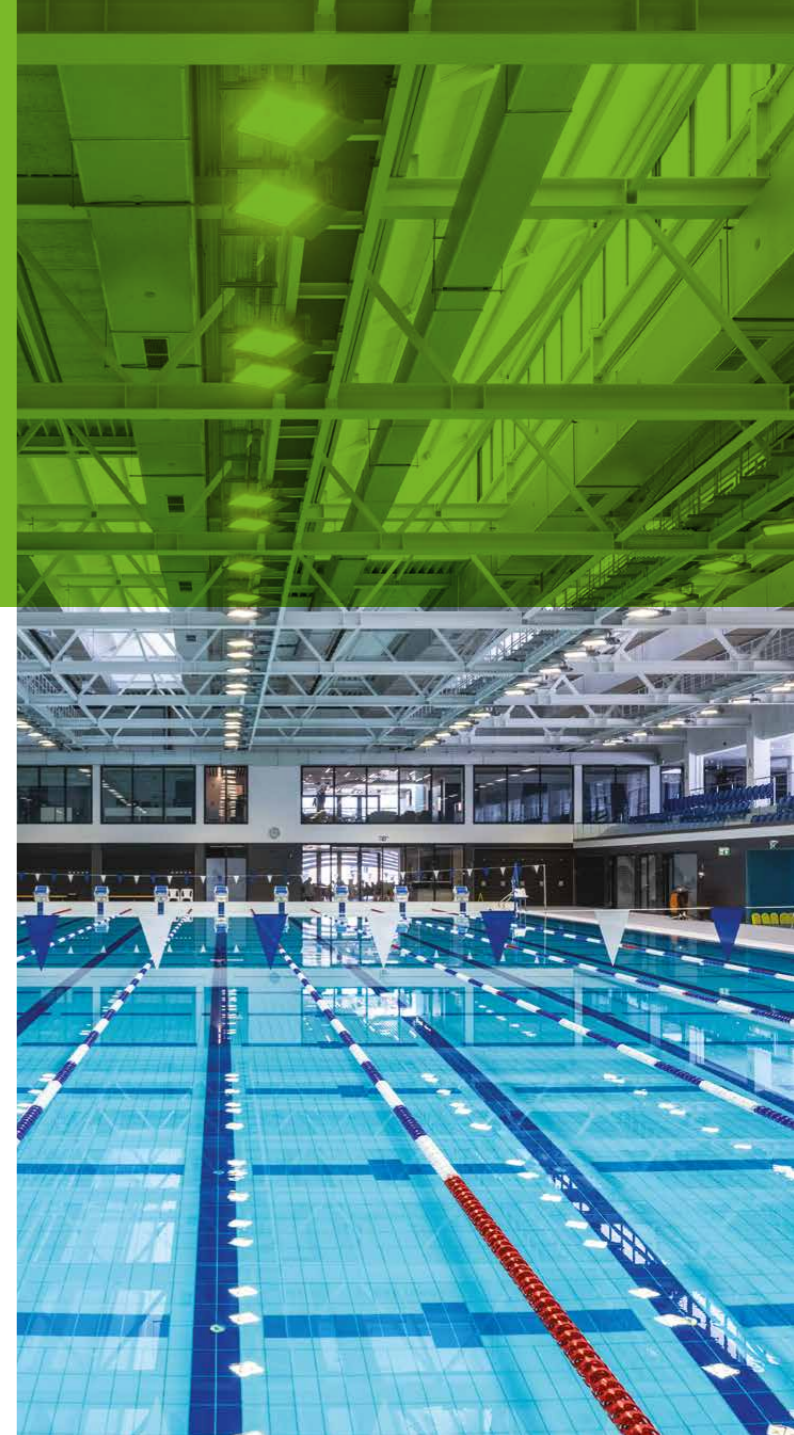
Zalaegerszeg,
Hungary

The county's most significant swimming pool development with 1,852 m² of swimming surface, and 268 seating capacity, the design and construction of the project also focused on green solutions and sustainability.

In the framework of the development and expansion of the municipal swimming pool, 50-metre pool and teaching pools await sports lovers. The outdoor pool has been renewed and a water playground has also been built.

The development will also enrich the Zalaegerszeg city beach area with a new character. The architectural and structural design of the new building is more modern and representative than the previous one, in line with the design programme and the needs of the times. The largest swimming pool investment in Zala County, the Zalaegerszeg Municipal Swimming Pool is suitable for sports, talent development and recreation, as well as for international swimming events.

SERVICES: conceptual design, basic design, design plan, video, building permit drawings, detailed construction drawings, budgeting, BIM, geodesy



03



BERCSÉNYI LIGET SPORTS COMPLEX

year
2014
2015

The sport facilities were designed for the 2017 European Youth Summer Olympic Festival including the service functions for the athletes in addition to sports fields and other facilities. The main functional units are placed into two compact buildings connected by a central entrance hall. This central building is the face of the sports complex. The building block, well-identifiable from the main approaching direction, is located at the Bercsényi Street side of the lot. The athletics racing track and the connecting athletics centre are situated behind it; the latter provides for winter trainings as well. The grandstand, the tennis courts the warm-up and training tracks are also located here.

The parking lots have been placed at the two sides of the main building, ensuring optimal accessibility of the various functional units. Our objective was to design a building complex that can be built and operated economically, featuring a modern and stylish design that meets contemporary expectations.

SERVICES: tender, detailed construction drawings, building permit drawings, general architectural design, project management, technical supervision

SPORTS FACILITY
28 300 m²
Győr, Hungary



04

LIPICA EQUESTRIAN CENTRE IN SZILVÁSVÁRAD

year
2015
2018

SPORTS FACILITY,
EQUESTRIAN
CENTRE

78 147 m²

Szilvásvár, Hungary



The renovated building complex of the Lipica Equestrian Centre in Szilvásvár was handed over in two phases: in addition to the covered equestrian centre, the stadium and the service buildings were also reconstructed. During the development of the scattered buildings, the race office was enlarged, and the jury tower renovated.

The equestrian facility also fulfils touristic functions and complies with the strictest rules of the world competitions, as the area includes an 80×120 m four-season racetrack, a 6,500-seat grandstand, a 60×114 m four-season warm-up track and a 20×70 m indoor racetrack.

SERVICES: detailed construction drawings, project coordination, designer supervision



05



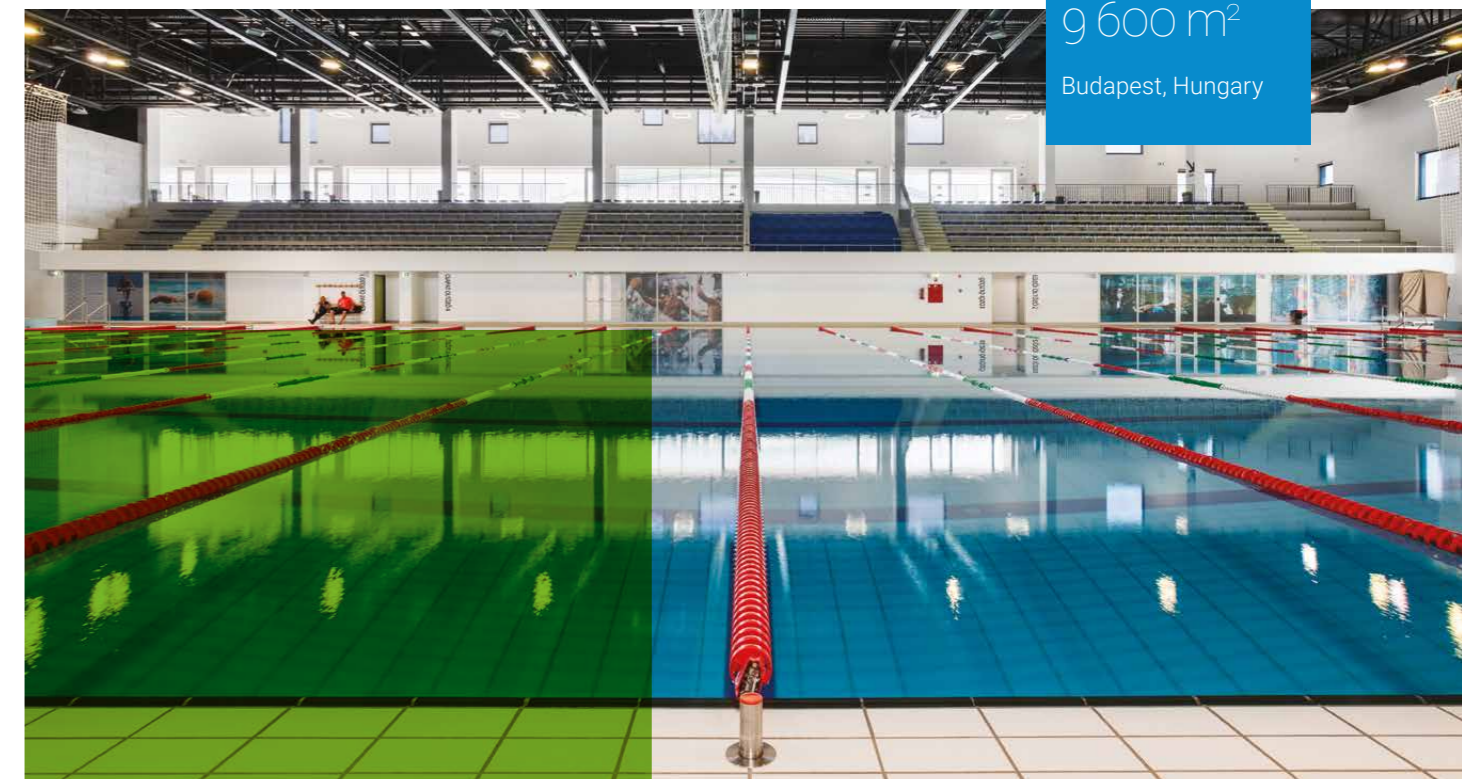
The competition pool next to the Tüske Sports Hall is located in a green environment: its shape fits in with the university environment used by young people, with character and modern solutions for sports and recreation. The building has three functional levels: basement engineering, a 50-metre competition pool and a 25-metre training pool with adjustable water depth on the ground floor, and an upstairs grandstand.

SERVICES: tender, detailed construction drawings, general architectural design, building permit drawings

SPORTS FACILITY,
SWIMMING POOL

9 600 m²

Budapest, Hungary



TÜSKE SWIMMING POOL COMPLEX

year
2013
2016



CULTURAL INSTITUTIONS

01

NATIONAL
DANCE THEATRE

02

MINDSZENTYNEUM

03

NATIONAL ARCHIVES STORE,
NATIONAL SZÉCHÉNYI LIBRARY

04

MEMORIAL MUSEUM
OF MIHÁLY VÖRÖSMARTY

05

BUJTOR ISTVÁN
OPEN-AIR THEATRE

01



NATIONAL DANCE THEATRE

year
2016
2019

Area of the former Ganz factory in the centre of Buda was transformed to Millenáris Park cultural quarter in the early 2000s. New home of the National Dance Theatre was created in one of the historical industrial monument buildings. The intention of the clients and designers with the new lobby was to 'bring the park into the building' or rather 'bring the building into the park'. To convert the building's function from factory into a theatre is very exciting: there is robustness, thrill and dynamism in the building, and the same momentum is supposed to appear in the dance performances.

Community design was implemented within the framework of design&build concept. It was a top priority that the feet of dancers could be seen perfectly from every single seat. When designing the amphitheatre, the experts and engineers paid close attention to find the best and most comfortable layout available. The protection of the dancers' feet has also been a top priority: the most danceable foot-friendly Scots Pine sports flooring was installed into the great hall, protecting the dancers' joints, allowing them the longest possible artistic career.

SERVICES: project management, investment management

CULTURAL
INSTITUTION
6 950 m²
Budapest, Hungary



02

MINDSZENTYNEUM

year
2022

MUSEUM

1 200 m²

Zalaegerszeg,
Hungary

The Mindszenty Pilgrimage Centre's 1,200 m² building houses exhibition halls, a conference room for 120 people, a community space and museum education rooms. The centre can also be visited as a place of pilgrimage.

The building's "cape" is a perforated spatial membrane, always changing, creating subtle light and shadow play. The interior spaces and shapes are clean, transparent and convey an uplifting feeling. Light is a particularly important component and shaper of the interior and exterior of the building.

On the ground floor, an open space provides services that generate community activity; a lobby, a café, a museum shop, an events centre and a community space with a separate entrance. It also houses the museum ticket office information desk. The first and second floors house the two exhibition spaces and associated museum education spaces, while the top floor houses a temporary exhibition and events space and a large roof terrace.

SERVICES: general design, project management, climate design, environmental design, technical inspection



03



NATIONAL ARCHIVES STORE

NATIONAL SZÉCHÉNYI LIBRARY

year
2018
2023

The archives store of the National Széchényi Library was built at Piliscsaba in the area of the Iosephinum. This is the repository of written Hungarian national heritage. The objective of the construction project at Piliscsaba was to ensure the proper storage of documents that are subject to permanent preservation liability. With its simple forms, the building serves the storing function in every detail and meets the requirements of strictly guarded security facilities.

The mass of the building forms a book, and the spine of this book will control the mechanical and technical functions that serve the building. The dominant item on the façade is a closure of leaf form, which refers to the forest-leaf-wood processing-paper-book process, shows the affinity with the forest that guards the solitary building, and its lace-work represents the passing of time and the ageing of materials and paper.

SERVICES: general design, BIM, interior design, designer site supervision

REPOSITORY FOR ARCHIVES

11 000 m²

Piliscsaba, Hungary



04

MEMORIAL MUSEUM OF MIHÁLY VÖRÖSMARTY

year
2018
2020

LISTED BUILDING,
MUSEUM

287 m²

Kápolnásnyék,
Hungary

With the renovation of the Memorial Museum of Mihály Vörösmarty in Kápolnásnyék, the poet's former home received a beautiful and elaborate appearance. The purpose of the renovation was to enable the institution to continue operating in a building worthy of the author of the 'Szózat' (Summons), also suitable for touristic purposes. The building represents intellectual values: the tasks included condition assessment and design, focusing on freeing up the building from decades of various repair solutions and to create a uniform, state-of-the-art, aesthetic space.

Mihály Vörösmarty spent the first and last years of his life in this house: the original, simple ground floor house with a wood shingled roof played an important role in the poet's life. It was a special request from the client that the Memorial Museum be a comfortable space for school and adult visitor groups, reminiscent of the atmosphere of Vörösmarty's former home.

SERVICES: general architectural design, basic design, building permit drawings, detailed construction drawings, designer supervision



05



BUJTOR ISTVÁN
OPEN-AIR
THEATRE

year
2019

The Bujtor István Open-Air Theatre in Tihany went through a complex technical renovation: the stage, the auditorium, the service rooms have been renewed, and the light and sound technology solutions have been improved too. The open-air theatre at the Inner Lake, with a beautiful view and great acoustics is the venue of the Tihany Open-Air Plays every year. The open-air theatre is open to people in the summer season, adding colours to the palette of tourist and cultural events at Tihany.

SERVICES: general design

THEATRE
1 598 m²
Tihany, Hungary





EDUCATIONAL INSTITUTIONS

01

UNIVERSITY
OF PÉCS

02

SCIENCE AND INNOVATION
PARK IN GYŐR

03

HUNGARIAN UNIVERSITY
OF SPORTS SCIENCE
ALKOTÁS STREET

04

HUNGARIAN UNIVERSITY
OF SPORTS SCIENCE
CSÖRSZ STREET

05

PRIMARY SCHOOL
WITH 24 CLASSROOMS



01

UNIVERSITY OF PÉCS

year
2017
2018

This investment of the University of Pécs aimed to implement a modern, green, and student-friendly campus of international quality. In the framework of the Modern Cities Programme, in addition to the façade modernization and partial interior modification of the existing theoretical block layout, a new education and research building wing of 12,000 m² was created and attached to the existing building, complying with the higher-level professional needs of the discipline.

The so-called Core Facility spaces, meeting the special needs of medical research with special characteristics were built. The molecular biology laboratory area is operated in isolation with a two-step access control system. The area includes a large auditorium for 300 people, an underground car park with 300 places and storage area for 160 bicycles.

SERVICES: general architectural design, designer supervision

EDUCATIONAL
INSTITUTE
15 350 m²
Pécs, Hungary



02

SCIENCE AND INNOVATION PARK

IN GYŐR

year
2018
2019

SCIENTIFIC AND
INNOVATION PARK

65 000 m²

Győr, Hungary



The Science and Innovation Park of Győr can serve as the scientific centre and two-way knowledge transfer scene of the region.

The park fulfils many functions, including a knowledge management centre, conference rooms, social space, educational training venues, laboratories, prototype workshops and rental office spaces.

Phase I: Main building, Cube building, Public space, Internal park, Internal buildings

Phase II: Internal buildings

SERVICES: feasibility study



03



HUNGARIAN UNIVERSITY OF SPORTS SCIENCE

ALKOTÁS STREET

year
2017
2019

As part of the campus development of the University of Physical Education, various sports facilities have been planned in the Alkotás Street block, including a 50 m indoor swimming pool, indoor athletics hall, gymnasium, ball courts and shooting range, and a 400-seat dormitory. The development of the site will also include the reconstruction of the historic garden, which will be open to the public as well as to students and staff of the university. A spectacular element is the plan for sports fields on the roof of the building: the largest roof terrace in Budapest, with a 320-metre running track, an outdoor training park, a green arbour and a café terrace on 9,000 m². The build-

ing on Alkotás Street will have a fine concrete façade. The cladding has both perforated and embossed elements, the perforation running through the building as a shell of openness and transparency, as intended by the designers. The Hauszmann Historic Garden becomes a cosy green recreation area on the campus: the sheltered garden is enclosed by the 13-metre-high wall of the athletics hall. TSPC's designers wanted to visually "continue" the historical heritage with a special solution: a vertical garden.

SERVICES: general architectural design, BIM, green building certification, site coordination

SPORTS AND EDUCATIONAL INSTITUTE

78 000 m²

Budapest, Hungary



04

HUNGARIAN UNIVERSITY OF SPORTS SCIENCE CSÖRSZ STREET

year
2017
2019

SPORTS AND
EDUCATIONAL
INSTITUTE

78 000 m²

Budapest, Hungary

The Csörsz Street block of the University of Physical Education was completed in several phases. The area includes an internationally certified athletics track with a 400-metre, eight-lane running track, an artificial turf football pitch and two outdoor tennis courts. The campus includes a multi-purpose hall with 1,300 seats for handball, basketball, volleyball and gymnastics training and competition. The halls also have a lobby for university events, a 200-space indoor garage and a 700-square-metre gym. A special design element of the project was the special fence on the BAH node, called the colonnade. The colonnade is an undulating curved boundary motif with a grid dynamic, reflecting the circulation of the BAH hub. When the University of Physical Education was developing the sports fields, it was a priority to ensure that the campus facilities were suitable for the education of students with disabilities, thus supporting their preparation for the Paralympics. *SERVICES: conceptual design, basic design, design plan, building permit drawings, detailed construction drawings*





05



year
2015
2017

PRIMARY SCHOOL

WITH 24 CLASSROOMS

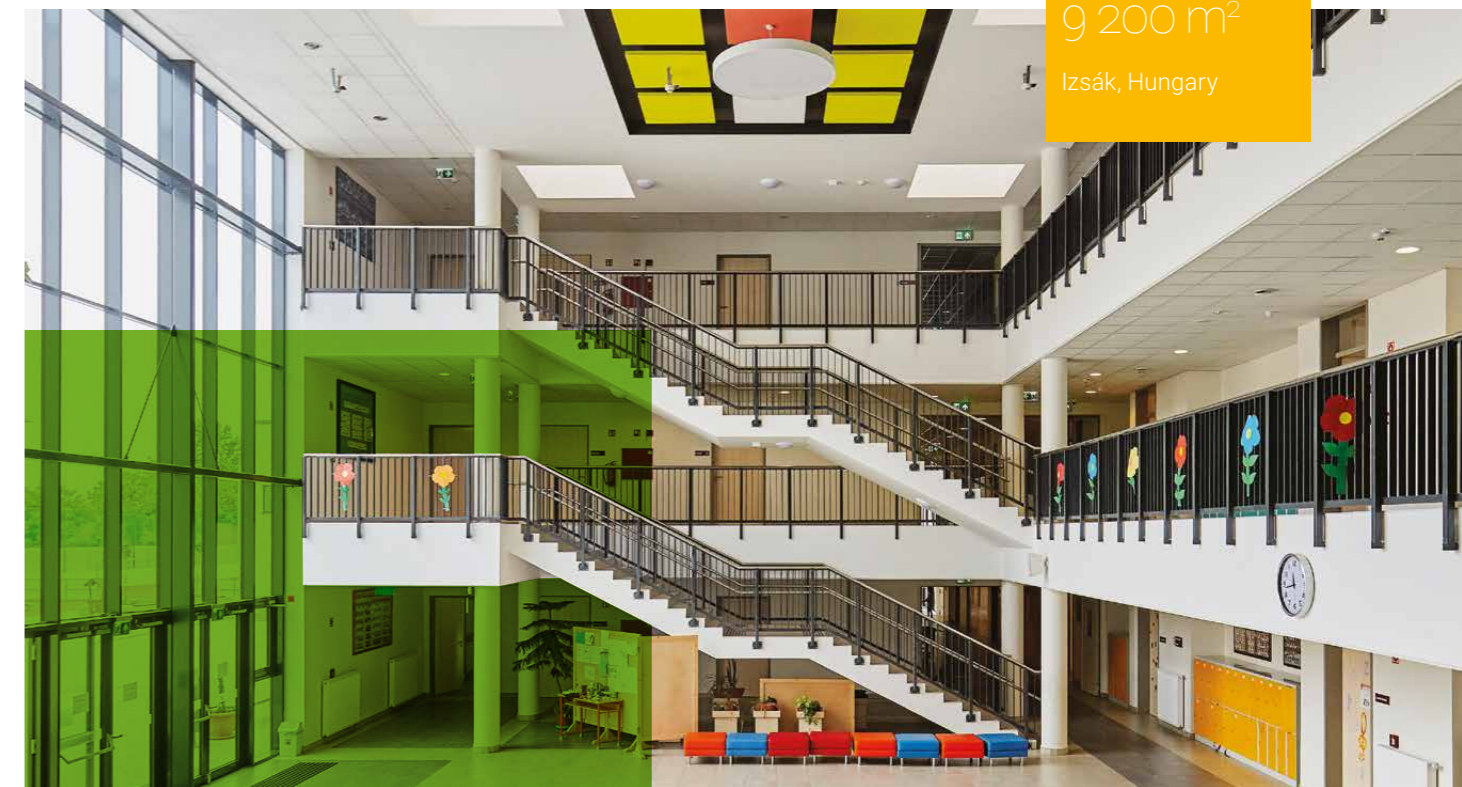
The development concept of the Municipality of Izsák consisted of the implementation of a new, modern school building on the site of the former primary school.

The school includes 24 classrooms and other related premises and functions supporting the modern and comprehensive education, such as rooms for teaching science, technology, singing and music, activities for small groups, a gym and an outdoor sports field.

Educational building with 24 classrooms, 1,380 m² gymnasium, paved school yard and school garden

SERVICES: conceptual design, basic design, design plan, building permit drawings, detailed construction drawings

EDUCATIONAL INSTITUTE
9 200 m²
Izsák, Hungary





HEALTH CARE INSTITUTIONS

01

ÉSZAK-KÖZÉP-BUDA
CENTRE

02

NATIONAL INSTITUTE OF
RHEUMATOLOGY AND PHYSIOTHERAPY

03

HÖGYES-SCHÖPF-MÉREI
PHARMACEUTICAL RESEARCH CENTRE

04

UNIVERSITY OF DEBRECEN
CLINICAL CENTRE

05

KISKUNHALAS
HOSPITAL

01



ÉSZAK-KÖZÉP-BUDA CENTRE

NEW ST. JOHN'S HOSPITAL AND SPECIALIST CLINICS

year
2019-

The entire 150,000 m² area of St John's Hospital is being renovated in a complex, multi-year process. The hospital, which currently consists of nearly 50 buildings, is a priority government project. The development proposed will provide a programme and architectural design that will create an uncompromising medical technology and patient safety situation for the next 50 years, bringing the working conditions of staff into the 21st century.

The key element of the concept is the creation of a modern block hospital where active patient care can be delivered as efficiently as possible, both in terms of medical and logistical issues. An important consideration is that the Kútvölgyi Tower Building and Specialist Clinic should also be linked to the new block hospital.

MAIN GUIDELINES, CAPACITIES:

- the creation of a new emergency centre, integrating the main diagnostic and care units involved, with modern and efficient patient pathways
- concentration of surgical capacity
- efficient concentration of high-end equipment and diagnostic tools
- the creation of sub-intensive custodians
- improving patient safety and comfort
- improving working conditions for staff
- integration of the Buda Children's Hospital into the ÉKC

SERVICES: architectural general design

HOSPITAL
150 000 m²
Budapest, Hungary



02

NATIONAL INSTITUTE

OF RHEUMATOLOGY
AND PHYSIOTHERAPY

year
2019
2021

HOSPITAL

19 791 m²

Budapest, Hungary

In the framework of the Healthy Budapest Programme, our design tasks could be divided into three project elements: designing the reconstruction of the existing Lukács Spa and Swimming Pool monumental façade and the improvement of the building parts connected to the National Institute of Rheumatology and Physiotherapy (ORFI), designing the improvement of the Esplanade building and the construction of a new hospital building. The aim of the development is to modernise the existing ORFI buildings and to create a new hospital with modern requirements.

The new hospital building will include a day hospital function, a day surgery block, a musculoskeletal knowledge centre, a laboratory for clinical medical tests, a research institute to demonstrate the effectiveness of our medicinal waters, and new inpatient wards. In addition there is a large back garden with green areas and landscaping, a spa and pool area, a conference centre, terraces and an underground car park.

SERVICES: monument reconstruction, general design, hospital technology



03



HÖGYES-SCHÖPF-MÉREI

PHARMACEUTICAL RESEARCH CENTRE

year
2019
2021

The objective of the development was to establish a training and research property group that offers up-to-date conditions for the service of training and research functions and the production of pharmaceuticals. The new university campus houses the training, research and pharmaceutical production functions of the Faculty of Pharmaceutical Sciences of the Semmelweis University with a progressive building complex that meets the challenges of our age, but preserves the tarnish and the values of many years of the Faculty. In the buildings of the Erzsébet Hospital and the Schöpf-Merei Hospital, rooms are provided for the theoretical education and to the management of the Faculty. Teachers' and managers' offices, the study department and the public pharmacy are all set up here.

In the area behind them, a modern educational building will be home to larger seminar rooms, auditoriums, digital knowledge storage, and some training laboratories that require less technology. The Högyes block, that is under historic protection, houses the largest new building of this project; in the basement, there is a one-storey underground car park, and upstairs there are several research and training laboratories, as well as facilities for pharmaceutical production.

SERVICES: general design, building survey, geodesy, fire safety design, road design, utility design, project management, budgeting

PHARMACEUTICAL RESEARCH CENTRE
29 614 m²
Budapest, Hungary



04

UNIVERSITY OF DEBRECEN

CLINICAL CENTRE

year
2021—

CLINICAL CENTRE
160 000 m²
Debrecen, Hungary

In line with international trends, the University of Debrecen is planning to build a centre hospital that will incorporate the latest trends in hospital architecture, in addition to the most modern medical technology solutions: it will provide a humane environment for healing with 500 new active beds and related patient care wards, and will be able to flexibly adapt to future challenges and technologies.

The new complex, which is being built on schedule and will fit into the existing care structure, will ensure the smooth delivery of care to around 2 million people in the future, while operating efficiently, energy-consciously and economically.

With its new classrooms, laboratories and state-of-the-art technologies, the new building complex under development will provide important and real opportunities for university teaching and research development in the future.

SERVICES: feasibility study



05



During the study design, the technical team examined the possibility of developing a hospital to provide regional care in cooperation with the Kiskunhalas Spa. Taking into account the trends in modern health care, the design concept was developed to allow for a phased development of the hospital while it continues to operate.

SERVICES: study design

INPATIENT AND
OUTPATIENT
HOSPITAL

30 000 m²

Kiskunhalas, Hungary



KISKUNHALAS HOSPITAL

year
2020



LISTED BUILDINGS

01

BOTANIQ
CASTLE OF TURA

02

KÁROLYI-CSEKONICS
PALACE

03

NÁDASDY
CASTLE

04

ESTERHÁZY CASTLE
BUILDINGS

05

MONASTERY OF THE CAMALDOLESE
HERMITS OF MAJK

01



BOTANIQ CASTLE OF TURA

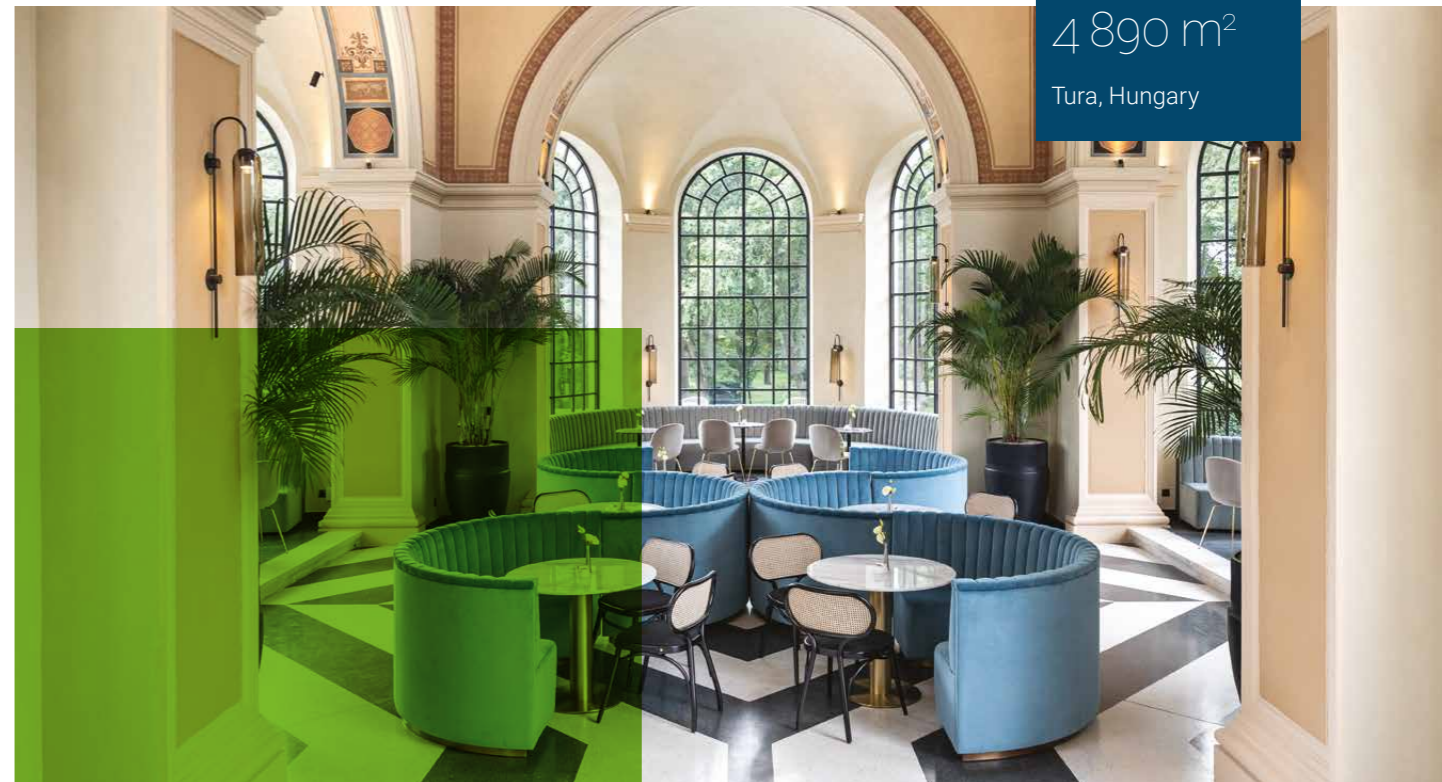
year

2015
2019

As part of a complete monument reconstruction, the Schossberger Castle in Tura was renovated in three phases. The restoration of the Neo-Renaissance-style castle, built in 1883, covered every detail, for example, the roof-slates used for the roof renovation were obtained from the same slate mine as at the time of the original construction. The former aristocratic residence now functions as an elegant hotel with nineteen rooms. The castle has been completely renovated in accordance with heritage conservation regulations and surveys of monument specialists, complete with a reception building, a swimming pool and wellness area, an MEP system and a section ensuring the operation serving the modern function.

The castle offers impressive rooms and a special spatial experience to the guests. The social spaces are located on the ground floor, where there are salons of different sizes and styles, a ballroom, a dining room, a bar, a cigar room and a café in the palm house. The rehabilitation included the arrangement and replanting of a ten-and-a-half-hectares park with 'Methuselah' trees and the restoration of historic walkways. *SERVICES: historical building reconstruction, general architectural design*

HISTORICAL
BUILDING, EVENT
VENUE, HOTEL
4 890 m²
Tura, Hungary



02

KÁROLYI- CSEKONICS PALACE

year
2016
2017

HISTORICAL
BUILDING,
EDUCATIONAL
INSTITUTE

7 721 m²

Budapest, Hungary

During the comprehensive preservation and property development of the Károlyi-Csekonics palace, a complete monument reconstruction was carried out in the Múzeum Street wing of the palace, and Károli Gáspár University of the Reformed Church in Hungary using the building received a modern educational unit in the Reviczky Street section of the former residence. A conference room and a lecture hall have been built in the basement and ground floor of the Reviczky Street section classrooms and tutor rooms are set up on the upper floors, all constructed with a modern interior design. A special feature is the Lotz ceiling fresco in the ballroom of the Múzeum Street wing, which was completely destroyed earlier. In addition to the archive photo material, the reconstruction of the representative space was aided by gilded plaster pieces, artificial marble and paint traces found in the floor. The ceiling of the dean's office, depicts Lotz's pagan Bacchus festival again after renovation, bringing exciting cultural tension to the space. *SERVICES: general architectural design, interior design, general design coordination (FormiConcept Kft.)*

03



NÁDASDY-CASTLE

year
2015
2016

The aim of the reconstruction, which was carried out in several phases, is to preserve the monument for posterity and to provide modern tourist functions. The former representation rooms on the ground floor of the castle are now open to the public and can be used for elegant events. The Hall of the Ancients, the most unique space in the building, and much of the furnishings in the rooms attached to it have been restored to their original state. The upstairs rooms of the castle were once the family bedrooms, with elegant bathrooms and other services.

These simple interiors were used to serve the public with temporary exhibitions, a museum education room and a bedroom and bathroom.

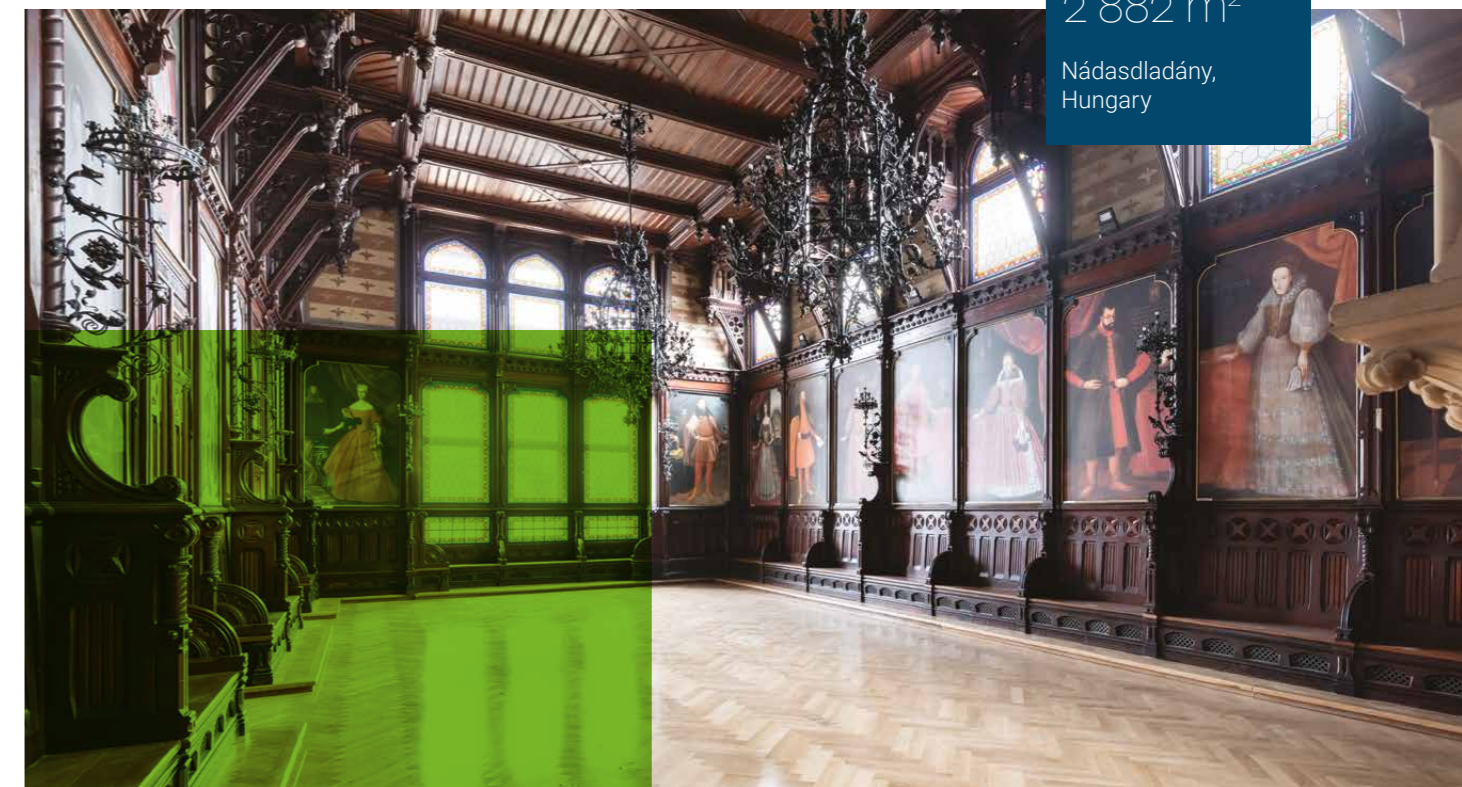
The ruins of the once magnificent English park with its special plants also had an imposing atmosphere: the pond construction works, the restoration of the historic walkways and the planting of new plants have brought back to life the romantic castle garden with its special elegance.

SERVICES: general architectural design, conceptual design, building permit drawings, detailed construction drawings, designer supervision

HISTORICAL BUILDING, MUSEUM

2 882 m²

Nádasdladány, Hungary

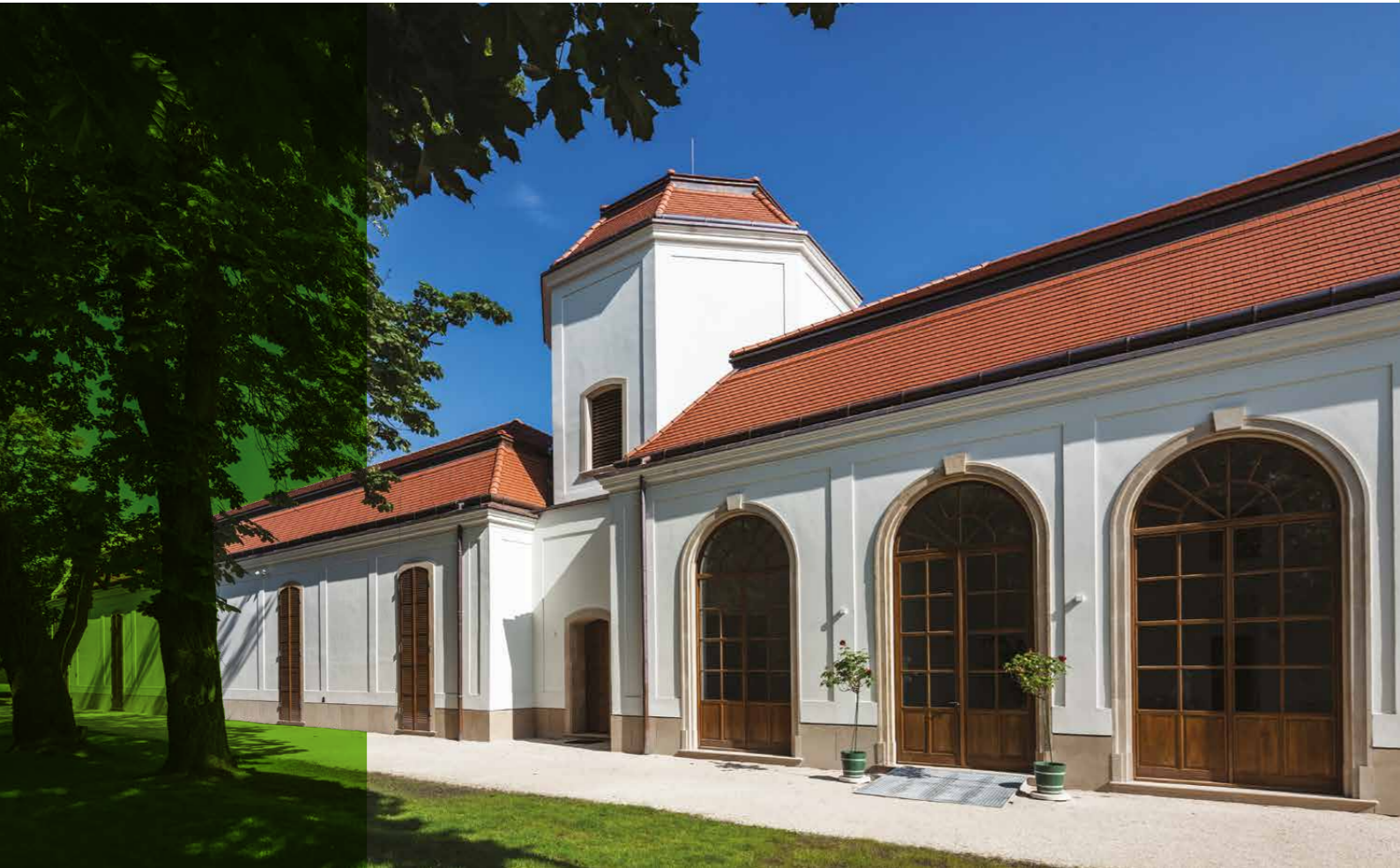


04

ESTERHÁZY- CASTLE BUILDINGS

year
2009
2015

EVENTS CENTRE
5 800 m²
Fertőd, Hungary



The first step in the complete renewal of the Esterházy Castle complex in Fertőd was the repainting of the façades, based on the discovered 18th century patterns. The renovation of the interior halls also began and then the theatre building received a new roof structure.

In the second phase, a new reception building was built: Narancsház (Orange House) and the Marionett színház (Marionette Theatre) were restored, and the Baroque water tower was rebuilt. The former building of the steward became suitable for receiving visitors.

The revitalisation of the park, was the third phase, during which the rose garden, the English garden and the Marchand-tag, and the structure of the space were restored. The castle, now an events centre, has been completed with the Tisztartó House, a redesigned connecting wing and a tidy courtyard.

SERVICES: general architectural design, interior design (M Építész Iroda kft.)



05



The baroque building complex of the monastery has been renewed in a complete historic reconstruction: apart from the convent building, the seventeen cell-houses and the gardens, the stumpy tower has also been renewed. The unique building complex is situated in the middle of the forest, on a lake shore, and during the recent renovation a new reception building was built, too. The historic complex consisting of the cell-houses, the convent building and the tower of the former church in the heart of the monastery is an outstanding monument in Hungary. The development was carried out under the National Castle Programme.
SERVICES: general design

HISTORIC BUILDING,
MUSEUM, EVENT
VENUE

256 m²

Majkpuszta, Hungary



MONASTERY

OF THE CAMALDOLESE
HERMITS OF MAJK

year
2016
2018



OFFICES

01

KINIZSI
OFFICE BUILDING

02

SPITZ
VILLA

03

MILLENÁRIS STARTUP
CAMPUS

04

SZABAD GYÖRGY
OFFICE BUILDING

05

7 DUNAKAPU
SQUARE

01



KINIZSI OFFICE BUILDING

year
2019—

The former Tobacco Factory of Ferencváros is given a new life: the former warehouse building is transformed into a high-quality modern office building. The building constructed by the design of TSPC has two parts: the existing building in Kinizsi Street and the new wing to be constructed will be joined in an exciting encounter. Thanks to the perimetric development method part of the plot will be converted into an inner courtyard. The interior design was determined by the 'green concept' and the requirements of the WELL and LEED certifications.

The main entrance of the new building opens into the lobby area. The café – open for the public – and the conference area are accessible from here. On the ground floor of the existing building there is a restaurant, a gym and a co-working office, on the upper floors there are rental offices with common areas, in the attic there is a skybar and a roof terrace.
SERVICES: general architectural design, basic design, building permit drawings, detailed construction drawings, interior design, project management, technical supervision

OFFICE
23 145 m²
Budapest, Hungary



02

SPITZ VILLA

year
2016

HISTORICAL
BUILDING, OFFICE

3 600 m²

Budapest, Hungary

During the reconstruction of the Spitz villa, which was proposed for local individual protection, we considered the preservation of significant historical and art historical values to be an important aspect: the goal was to reconnect the building with significant cityscape values to the surrounding area.

The high-quality, authentic restoration of the building was achieved with innovative modern interior design elements. At the request of the client, the modern spatial design of the office function respected the original building units.

SERVICES: conceptual design, basic design, design plan, building permit drawings, detailed construction drawings, budgeting, contractor's documentation, point cloud survey

03

MILLENÁRIS STARTUP CAMPUS

year
2017
2018

Millenáris Startup Campus, one of the largest co-working and startup community projects in the Central and Eastern European region was established to provide a supportive environment for members of the local tech life as the centre of this ecosystem, and put Budapest on the global startup map. It is a place where talents, startups and actors from the world of innovation can work under the same roof.

Desks are arranged in smaller groups of 4-6-8 persons, but smaller offices, in soundproofed but visually not separated glass cubes, and mini workstations converted from single, green-yellow telephone booths can also be found here. The campus has 183 workstations, 24 office and meeting rooms, and a 120-seat Cinema Hall. *SERVICES: interior design, project management*

COMMUNITY OFFICE

3 371 m²

Budapest, Hungary



04

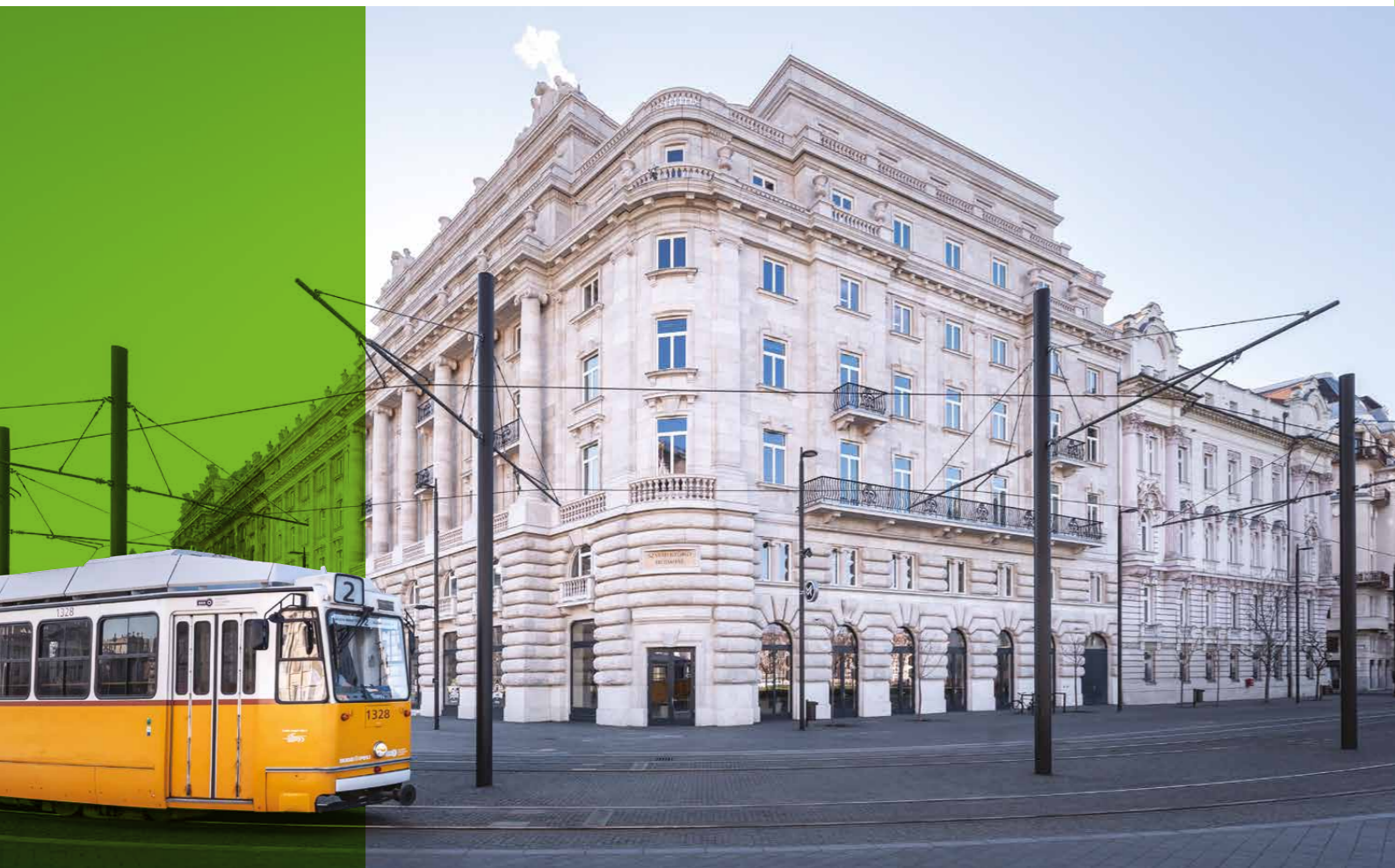
SZABAD GYÖRGY OFFICE BUILDING

year
2019
2020

LISTED BUILDING,
OFFICE

11 000 m²

Budapest, Hungary



Szabad György Office Building provides a quality working environment for three hundred employees of the Office of the Parliament on nearly 11 000 m². The building integrates the surface hall of the Kossuth tér metro station. The proximity of the metro and the monumental environment posed substantial engineering challenges. The building offers several special solutions, including a tunnel connecting it to the Parliament.

The tunnel was constructed of prefabricated elements with open trench technology, its insulation was also a special task. Crossing under the tramway, the vibrations acting on the tunnel had to be damped by special elements. The monumental environment, in consideration of the connection to the Nemzeti Main Square, required special attention during the construction.

SERVICES: technical supervision



05



7 DUNAKAPU SQUARE

year
2011
2013

Dunakapu Square is an important place of Győr: an event space, a community meeting point which the city has renovated with a modern underground car park. Based on archival data, now there is a building on the plot with a floor plan essentially the same as the contours depicted in the 1703 site plan.

During the renovation we have sought to preserve the historic structures in their authentic form wherever pos-

sible. The attic was refurbished while retaining its original geometry, and the inner courtyard was provided with a spectacular glass ceiling. The office building constructed in historical environment is the headquarters of the office of TSPC in Győr. The offices also offer views to Győr's central square and the Danube.

SERVICES: general architectural design, project management, technical supervision

OFFICE
1 360 m²
Győr, Hungary





HOTELS

01

HOTEL
DOROTHEA

02

HEGEDŰS GYULA
DORMITORY

03

DEBRECEN MECHWART
STUDENT ACCOMODATION

04

HOTEL
ASTORIA

01



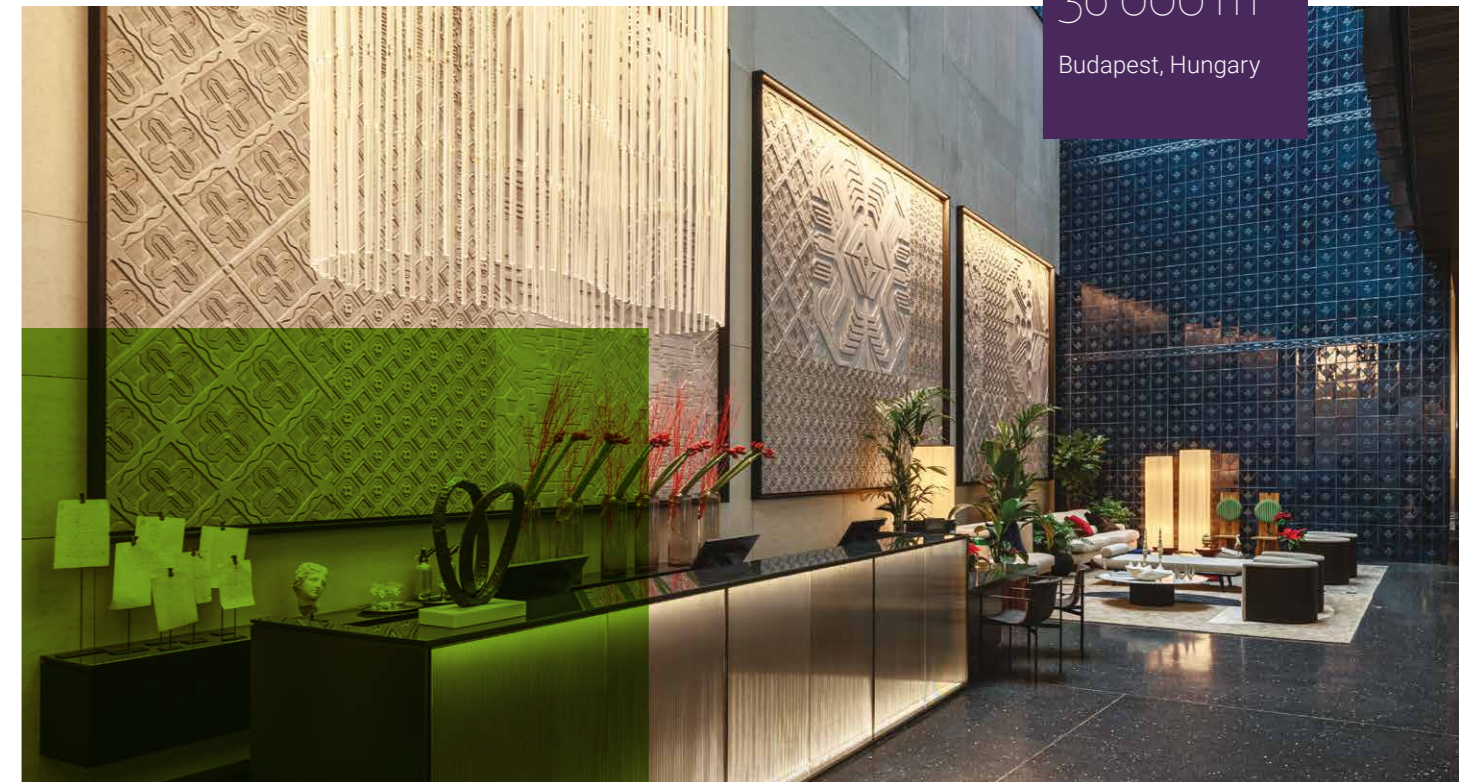
HOTEL DOROTHEA

year
2016
2022

Hotel Dorothea is being built by refurbishing and reconstructing a monument of three buildings built in different eras, in the centre of Budapest. TSPC's architects and engineers worked with an international architectural firm on the design plans of the special, luxurious hotel. The renovated building complex will be enriched with quality details, luxurious suites, apartments, a 900 m² steel glazed courtyard and roof terrace and a sky restaurant. Additional challenge was to find a common ground for the existing structural and geometrical features and the strict corporate standards of the hotel chain.

During the restoration of the façades of the buildings bearing the architectural style of the 1800s and 1900s, the aim was to preserve their original design while their roof level will be refurbished with a look that reflects the refined architectural design and technical standards of today. The design and construction are carried out in cooperation between Italian and Hungarian companies. *SERVICES: general architectural design, building permit drawings, detailed construction drawings*

HOTEL
36 000 m²
Budapest, Hungary



02

HEGEDŰS GYULA DORMITORY

year
2016
2017

DORMITORY
23 500 m²
Győr, Hungary



The Dormitory of Széchenyi István University is a complex consisting of old and newly established units, place of recreation, learning and entertainment for students. The new building will be connected to the existing renovated dormitory wings, expanding their cascading layout. It has double functions: there are rooms and the associated common areas on the upper floors and multifunctional spaces on the ground floor.

A café, shops, a music room, a gym, a lecture and meeting room for university use, a conference and event room, an interactive exhibition area and a visual laboratory is available for the residents.

SERVICES: detailed construction drawings, general architectural design



03



DEBRECEN MECHWART

STUDENT ACCOMODATION

year
2022-

The Mechwart András Mechanical Engineering and Information Technology Technical School in Debrecen has been operating in the listed building since 1911. Due to the popularity of IT, mechanical and automotive engineering courses, there is a great interest in the educational institution in the region, but there is a constant shortage of dormitory places.

The dormitory is based on the layout of Roman atrium houses: the focal point is an internal garden with large green areas and a bench seating area, which is the central space for community gathering on the ground floor. Directly connected to the garden is the library. The atrium garden provides access to the cafeteria, which has a glass wall and can cater for 250 people and is also accessible to

visitors from the neighbouring educational buildings. The façade of the building is brick pavement, which has been given a pixelated layout to reflect the digitalisation and technology being taught here.

The new college can accommodate 252 students.

Further functions of the dormitory:

- gym, dormitory teachers' room, laundry room, medical room, patients' room, guest room, necessary office space, common room, roof terrace
- car park, bicycle storage
- kitchen, dining room

SERVICES: general design, project management, electrical engineering, utility design

DORMITORY
3 837 m²
Debrecen, Hungary



04

HOTEL ASTORIA

year
2018

HOTEL
1 400 m²
Budapest, Hungary



During the tender published by Astoria Hotel the task was the interior renovation of the existing hotel rooms. The new look basically included contemporary elements and surfaces.

The classic character and curved shapes of the furniture soften the functional lines and perpendicular order of the surfaces.

SERVICES: interior design





PARKING HOUSES,
LOGISTICS

01

MILLENÁRIS SZÉLLKAPU PARK,
UNDERGROUND PARKING

02

INTERMODAL HUB

03

ÁRPÁD
PARKING HOUSE

01



MILLENÁRIS SZÉLLKAPU PARK

UNDERGROUND PARKING

year
2016
2018

Budapest's modern recreational park, Millenáris Széllkapu opened with the largest three-dimensional vertical garden in Central Europe, a cherry tree grove, a forest-field-lake trio, spectacular design solar panels and 330 new trees. Parking cars caused serious problems around the park, cars looking for parking spaces were a familiar sight around Millenáris Park. The 500-space underground garage, with electric car charging stations and a bicycle storage room significantly improved the parking situation.

The vegetation appears here as well: the fair-faced concrete elements around the entrance are covered with a varied green surface.

SERVICES: conceptual design, basic design, interior design, design plan, video, detailed construction drawings, building permit drawings, budgeting, BIM, infrastructure design, utility design, contractor's documentation, geodesy, technical supervision

PARK AND UNDERGROUND PARKING

41 000 m²

Budapest, Hungary



02



INTERMODAL HUB

year
2016

The City of Tatabánya has launched a tender for the construction of an intermodal hub. The planned pedestrian-cycle flyover bridge spans the tracks and platforms, from where access to the platforms is provided via stairs and escalators on both sides and lifts between them. The bridge is a sophisticated, skeleton-like structure, a combination of white reinforced concrete and steel, which stretches out like a wing and connects the parts of the city cut in two by railway tracks. The plan also includes the station reception building,

which is located parallel to the tracks in the traditional layout of a through station, and houses the station functions. It houses the ticket offices, passenger information with associated office and social areas; the lobby; the waiting room; the catering industry; the necessary social block; the security service residence; the necessary storage and warehousing; the mechanical room; the electrical and telecommunications rooms. Both the bridge and the reception building have been designed with full accessibility.

SERVICES: general design

RAILWAY STATION, NEW
ADMISSION BUILDING
AND PEDESTRIAN-
CYCLE OVERPASS

7 720 m²

Tatabánya, Hungary



03

ÁRPÁD PARKING HOUSE

year
2016
2017

PARKING UTILITY
9 200 m²
Győr, Hungary



The modern parking house was built at one of Győr's intersections. Its interesting feature is that it also houses the practice hall of the Győr Ballet. The design of the Árpád parking house, dominated by horizontal stripes, conveys an impression of dynamism and its stepped green roof ensures maximum adaptation to the environment, while compensating the often austere and monotonous appearance of buildings serving similar purposes.

The parking house has five storeys with 205 spaces, an occupancy indication system and six charging units for electric vehicles.

SERVICES: general architectural design, detailed construction drawings, technical supervision





INDUSTRIAL CONSTRUCTIONS

01

CECZ SMART WAREHOUSE,
TOPERINI INDUSTRIAL PARK

02

PREMIUM INDUSTRIAL PARK,
KECSKEMÉT

03

SK INNOVATION
BATTERY FACTORY

04

LOGISTICS CENTRE,
GUBACSI STREET

01



CECZ SMART WAREHOUSE

TOPERINI INDUSTRIAL PARK

year
2021—

Toperini Industrial Park is located in the centre of Vác, next to the main road to Gödöllő. The 29-hectare Industrial Park is part greenfield and part brownfield project, located just 2 km south of the historic city centre.

The favourable geographic, transport and economic conditions of the city of Vác and its surroundings have attracted the attention of many investors, resulting in a large number of national and foreign companies, including several world-renowned ones, operating in the area. The aim of the Toperini Industrial Park is to promote the economic development of the region by offering a competitive range of products and services, and to provide favourable conditions for companies wishing to establish or develop in Vác.

SERVICES: general design

INDUSTRIAL PARK
29 hectares
Vác, Hungary



02

PREMIUM INDUSTRIAL PARK

KECSKEMÉT

year
2022

INDUSTRIAL PARK
364 000 m²
Kecskemét, Hungary



TSPC prepared a study on the use of land for a Premium Industrial Park, with a presentation of the plots and their specific characteristics. The area is ideal for the installation of industrial facilities. Access by road is currently possible with a vehicle of 11.5 tonnes axle load.

As a development site, the utility network can be designed and extended to meet the needs of the investments that will be made here.

SERVICES: feasibility study

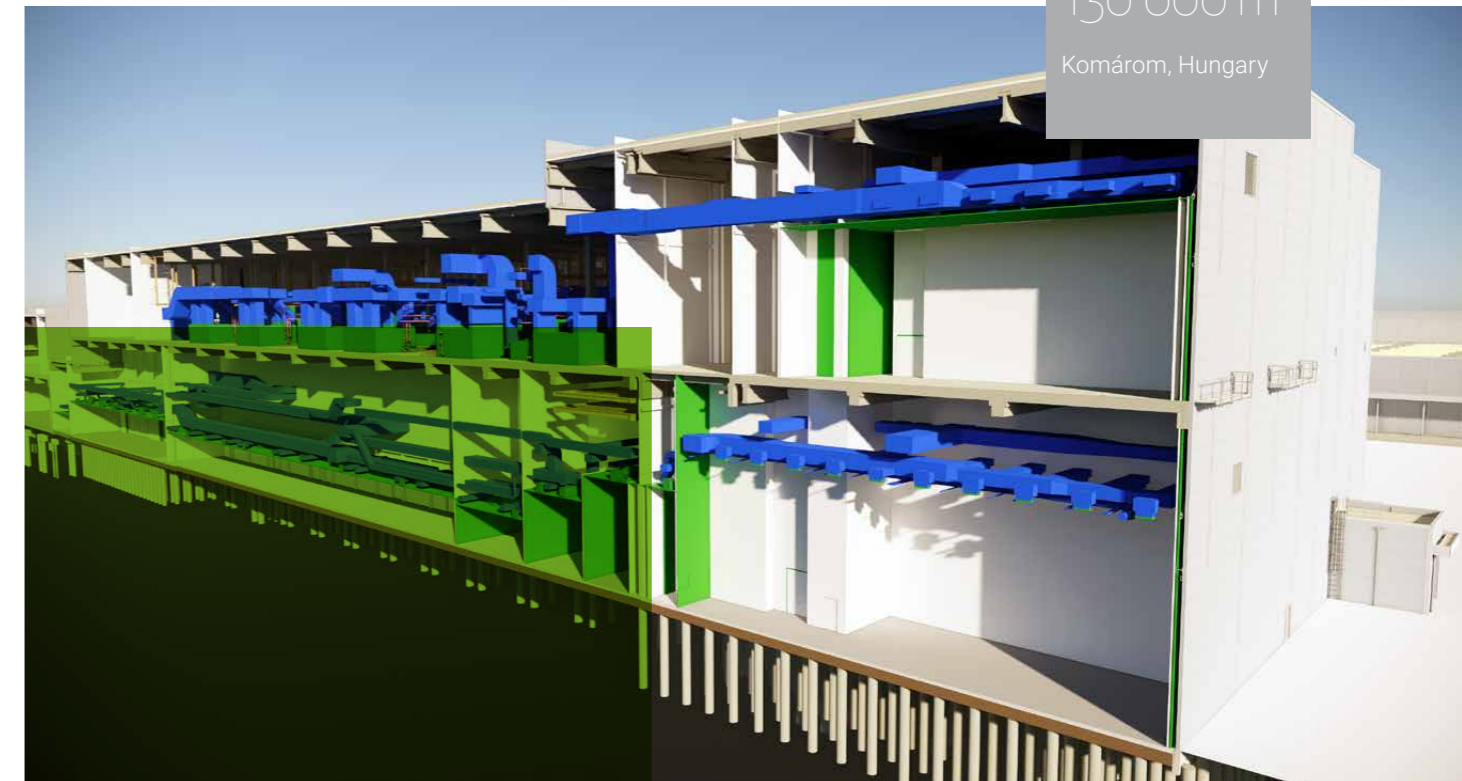




03

TSPC Group, as interior general designer, help the work of the South-Korean client SK Innovation in the second-phase project that covers the construction of a new battery factory on 430,000 m² in Komárom. In the Komárom Industrial Park lithium batteries usable in electric cars will be manufactured. According to previous press reports, the investment is

estimated at 97 billion Forints, which will be supported by the Hungarian state through a non-refundable grant. The Hungarian TSPC Group will assist the South Korean customer in the construction of the 130,000 m² factory, including the interior design and fire protection. TSPC's partner is Hyundai Engineering Corporation. *SERVICES: factory-interior design, site coordination*



BATTERY FACTORY
130 000 m²
Komárom, Hungary

SK INNOVATION

BATTERY FACTORY

year
2019
2020

05



LOGISTICS CENTRE

GUBACSI STREET

year
2017
2018

The project would be a development concerning 20 percent of the rentable area of the logistical centre in District IX of Budapest. The existing circumstances allow the extension of a hangar and the construction of a new one. The new building will have a reinforced concrete structure, insulated corrugated sheet cover and industrial floor. The offices and the common rooms are located on the second floor within the building. The building serves all logistic functions from warehousing through distribution to the reception of heavy goods vehicles.

SERVICES: conceptual design, design plan, detailed construction drawings, BIM

LOGISTICAL CENTRE
6 790 m²
Budapest, Hungary





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