

The term 'TRAFO' is a hungarian expression, a shortcut to 'electrical generator'.

The former electrical generator house shown here, had been transformed into a so-called 'TRAFO OFFICE BUILDING', as a part of the Akademia Park, an urban mixed-use development project.

The Trafo Office is an unique mixture of an old structure with a contemporary building method, which has become the headquarters of the developer, as an info box, a showroom and project sales office, representing the image of the whole development.

The green values combined with the human comfort is the essence of the project, redefining the Bauhaus philosophy.





B Location







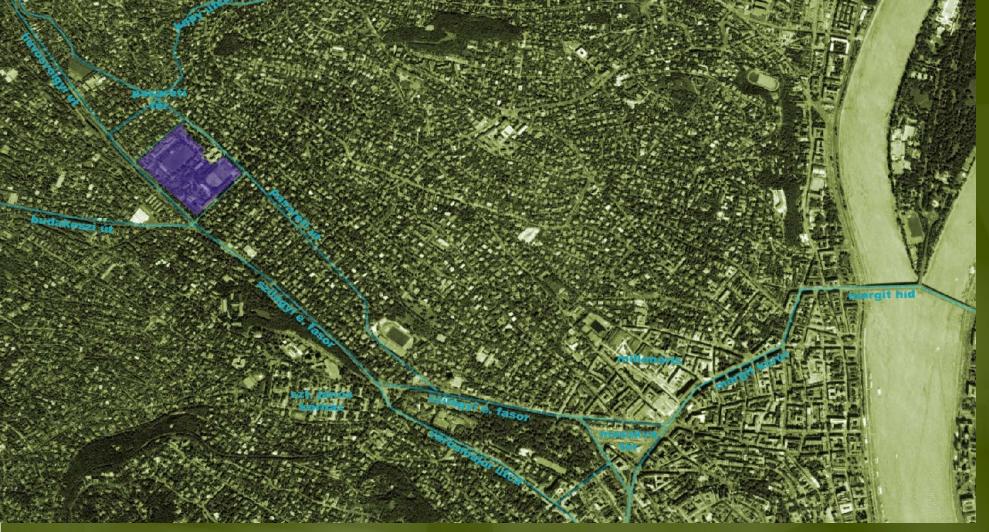


B Location









Buda, left site of the Danube

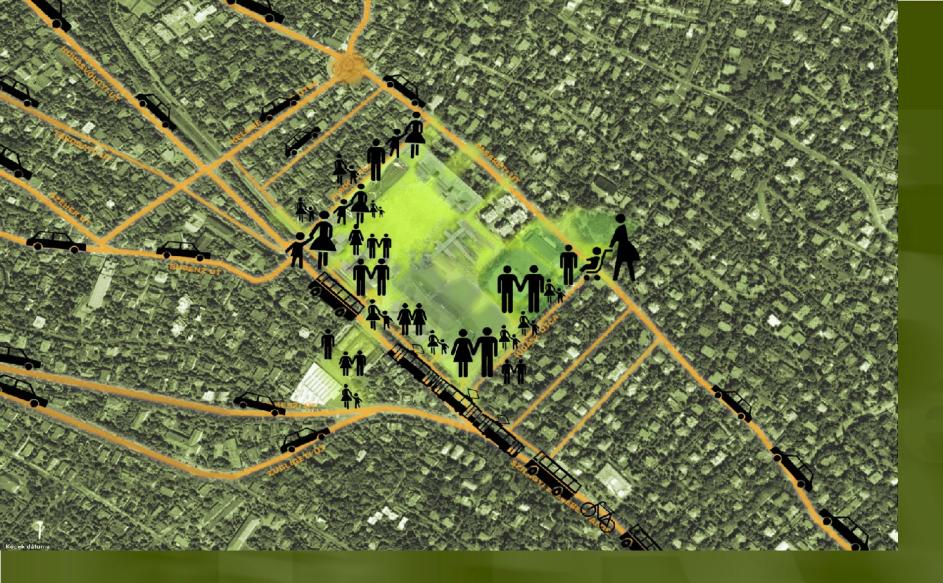
B1 Location:

position in the city, accessibility from the transport network









B1 Location:

human flow is the priority: in and out in a smooth way









B1 Location: bicycle roads and bridle-pathes









Park and Ride Park and Drive reform and rehabilitation of an old army teritory, barrier free and unblocked

primer = adding new values with the respect of the Genius Location

racianal from market point of views

relaxed and running

new urban park

Recreation

Innovation in life style and technology

B1 Location:

Activities and the main values of the development









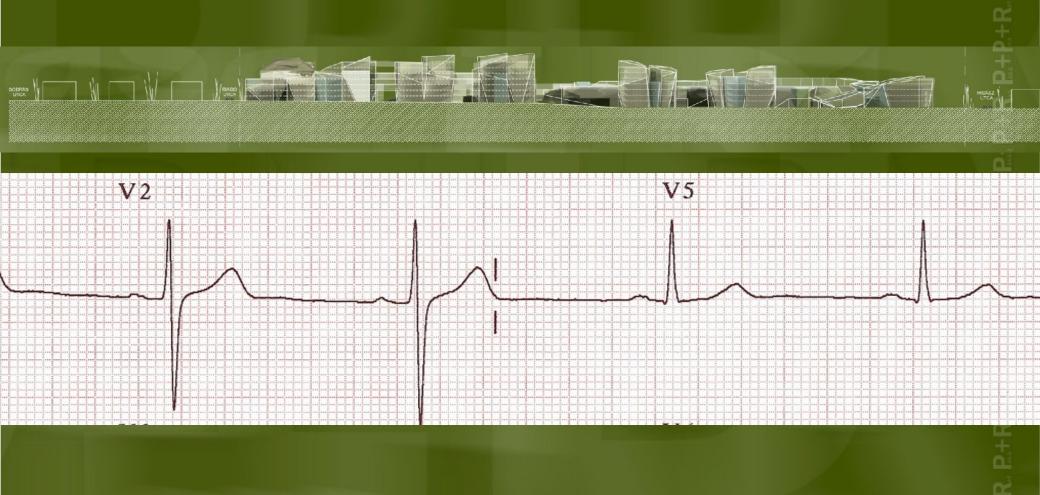
B2 Location

the local public and private interest CIRCULATION 100%









B2 Location

the local public and private interest DENSITY 1,27

















TRADITIONAL HUNGARIAN PLAYING CARDS

B2 Location the local public and private interest 1 year / 12 month / 4 season / 52 week FOUR DIFFERENT CLIMATIC SPACE









PROTECTION OF THE BUILT AND GREEN HERITAGE

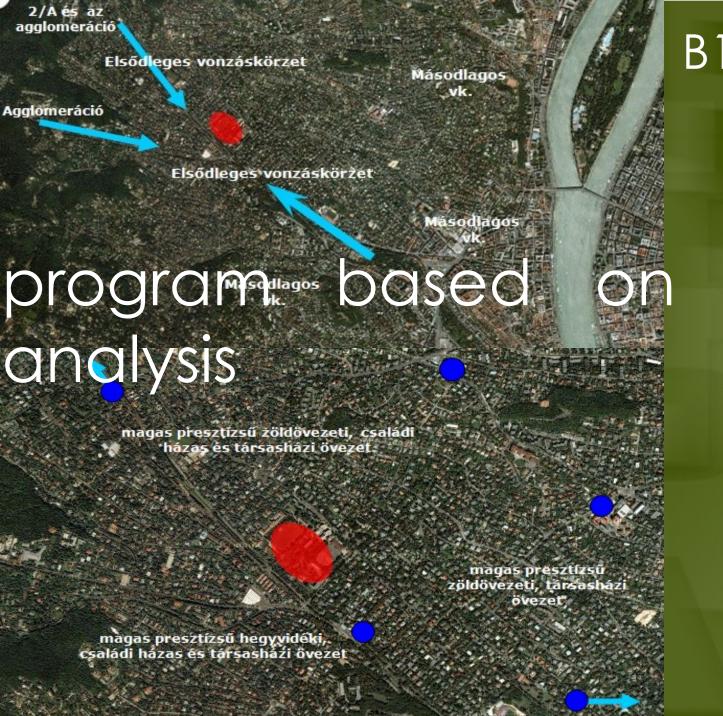
B2 Location

the local public and private interest









B1 Location

market







































































































 $\overline{\text{C2}}$ use of space - visualisation





















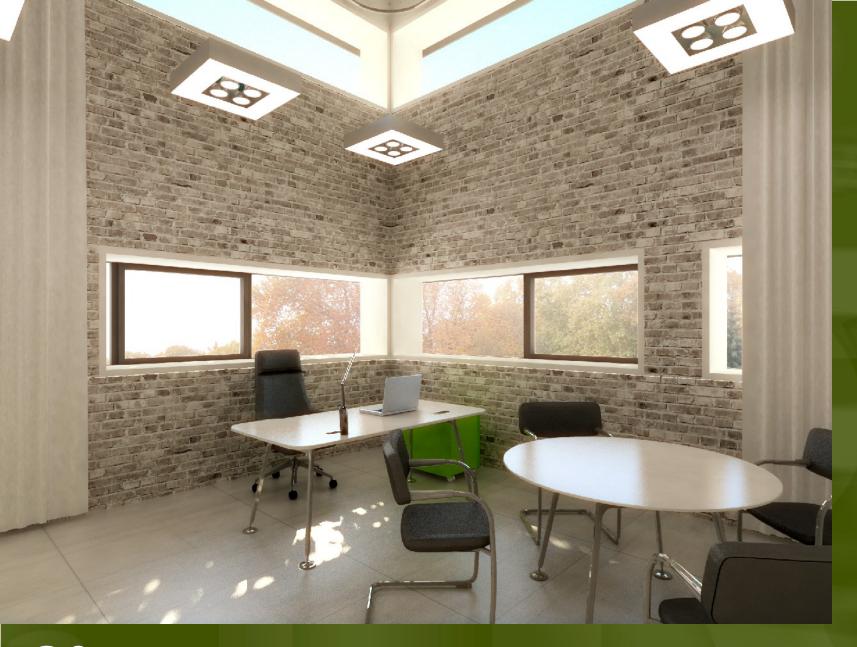


























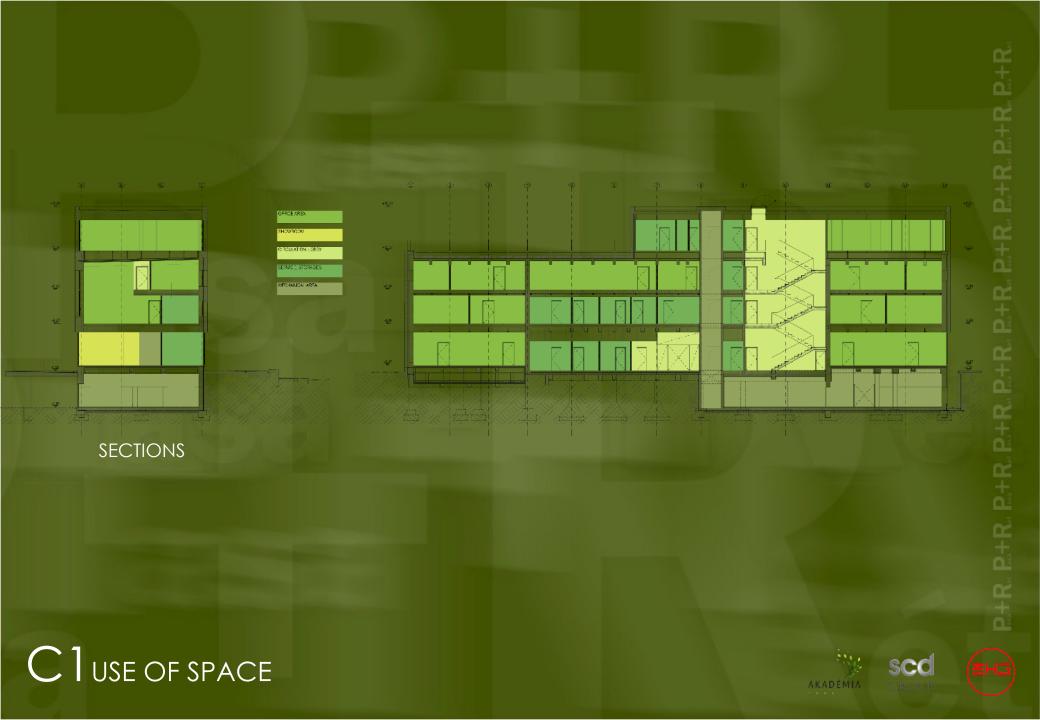


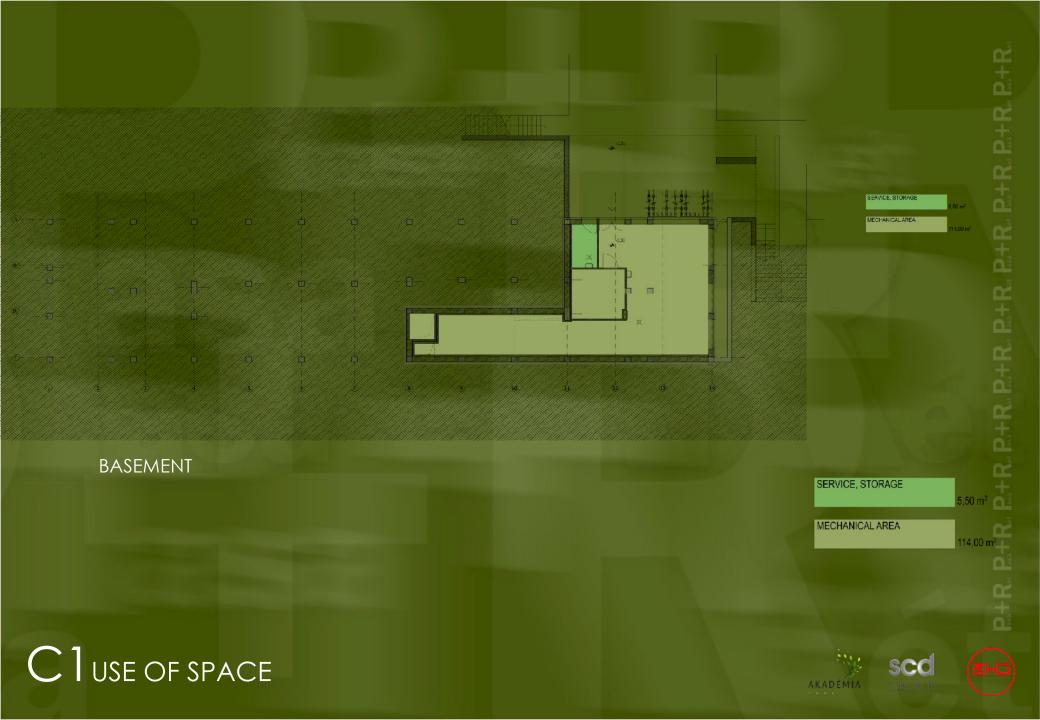
D2 modification of the zoning plan and planning restrictions













C 1 USE OF SPACE









OFFICEAREA

U42.00

CROULATION, LC33Y

13.50 t

SERVICE, STORAGES

43.00 t

MEGANNICALAREA

OFFICE AREA

342,00 m²

CIRCULATION, LOBBY

18,50 m²

SERVICE, STORAGES

48,00 m²

MECHANICAL AREA

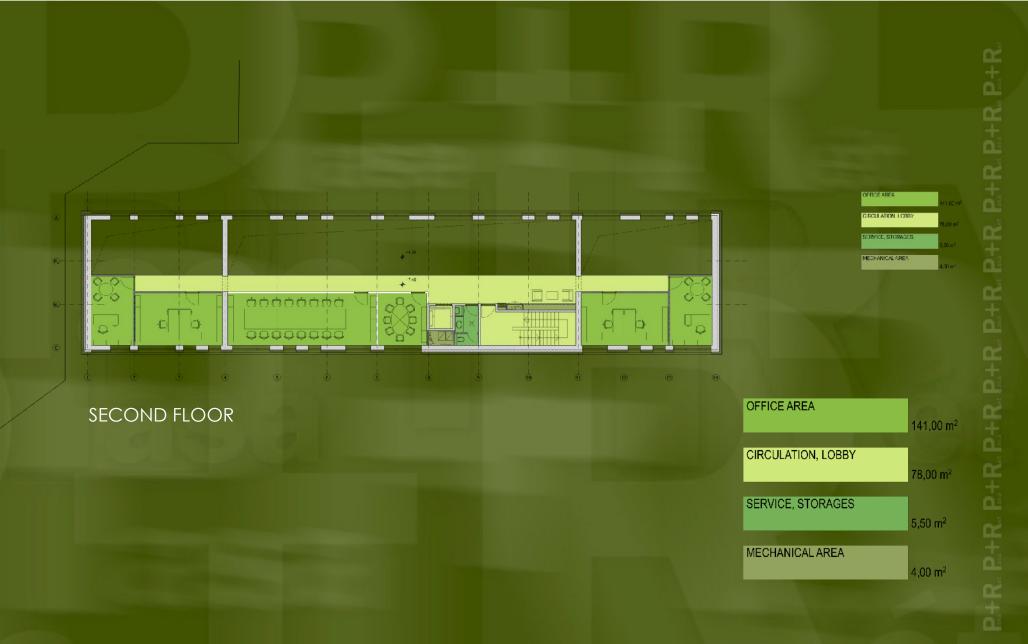
4,00 m²









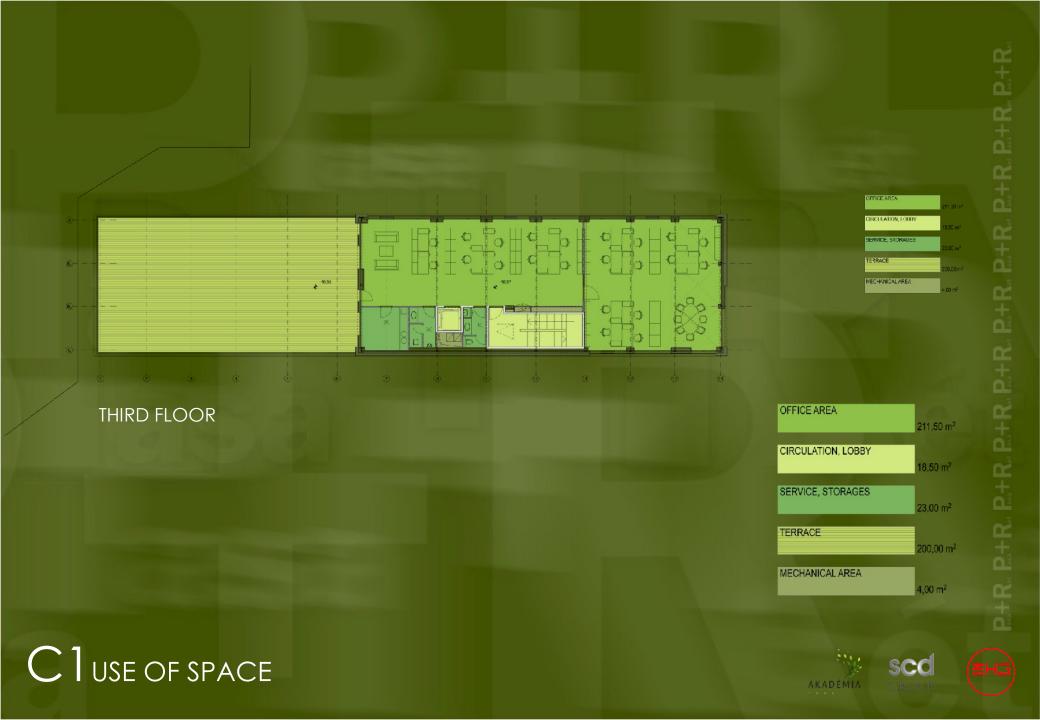














































D1































D1







D1











































































new technologies Green efficient, economic solutions

Green thinking

The building is a multi-level office building.

At designing mechanical systems, the followings were the baseline:

- cheap and easy maintenance
- reduction of environmental footprint
- low emitting system installation
- -using innovative systems

These point were equally important.









focus

- passive protection
 Heat protection, shade protections
 heat traps
- energy consumption
 Fossil and renevable energy usage
- energy sharing
 Decentralized or centralized,
 together or seperate, we can
 connect to the system to the
 completed development
- waters rainwater
- inner building technical solutions
 Attachment according to the tempreture of the used material.
 Radiant heating-cooling system







URBAN DEVELOPMENT

SCD Group developer, landscape development concept

Peter Somfalvi ,Pál Dános, Szabolcs Reisz

Műhely urban plannings, Zoneing plan

dr. Nagy Béla

ZHJ Masterplan, program of the developments, urban and architectural disposition

Judit Z. Halmagyi, Tibor Tardos

Dpi design architectural visualization

Tamas Pinter, Peter Kovacs, Tamas Krener

VTCS public space design, character study, visualization

Barbara Szolossy, Zsolt Pyka, Eva Laszlo

Tér-Team landscape design and environement development

Gabor Szabo

SMG-Sisu energetics, renewable energy and sustaniability, system modelling

Gabor Szijgyarto

Klimol Imre Molnar

Ecorys market analisys prognostization, rogram development

Vibrocompenvironmental protectionKözlekdés Kft.transportation expert

ELECTRICAL GENERATOR HOUSE — TRAFO OFFICE BUILDING SCD Group + ZHJ + Dpi design + Tardos Desing + Körös-Consult + System-Steel

SCD Group developer, landscape development concept

Peter Somfalvi ,Pál Dános, Szabolcs Reisz, Emese Horváth

ZHJ architectural disposition

Judit Z. Halmagyi

Dpi design architectural visualization

Tamas Pinter, Peter Kovacs, Tamas Krener

Kőrös-Consult energetical planning, renewable, sustainable energetics

Balázs Nyári, Péter Gáspár

System-Steel structural engineering

Garten studio landscape architecture







