

re-use CIBA diplom FS20

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building 610 - strategic location at the park in klybeck, demanding a public function

- **1** former pharma industry moving out, area waiting to transform into residential district
- **2** | directly at the only park in the district
- **3** parking lot in courtyard could provide public outside space desperately needed in klybeck
 great potential for public function in building 610
- 4 close to new public transportation hub but also in second row, ensuring safety and quiet
- **5** | neighbouring existing residential district
- **6** existing school network offers possibility for synergies, sharing sport halls or after-school programs for kids







1982/2014

kitchen dining office seminar

🛑 changing room 🛛 🛑 toilet

technology storage

circulation

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building optimal for reuse, few structural changes needed

built in 1955 as canteen for CIBA workers, the building changed into offices starting from 1982

- transformation shows that structure can provide both big spaces and small units
- only very few changes at the main structure necessary
- existing aula and industrial kitchen on the 3rd floor have big potential for a new public function
- central circulation with two staircases and one elevator
- floor height of 4.5m
- 3m high windows, letting a lot of light inside, making the space really attractive and receptive for re-use

how can building 610 transform together with the klybeck district?



transform into a school teach autonomy through architecture

update only where minimally needed

providing more through doing less use resources for extensions, providing diversity in (learning) spaces

re-use as much as possible

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building is transformed into a primary school for 12 classes. frontal teaching becomes only one equal part in the learning landscape, giving students freedom in choice of their method, space and learning partner, which challanges them to become autonomous.

update facade and floor composition in the minimally needed core classroom and workspaces. only 50% of building surface has to be updated.

instead of updating the whole building, the resources can be used for the wintergarden extension, additional staircases and a second entrance. this provides more diversity in (learning) spaces, circulation and in climatic zones in the building.

re-use means taking the existing structure and spaces serious, seeing them as potential. enrich the new through its old self.



teaching method defining teaching spaces in building 610

core classrooms and workspaces:

1 | classrooms

according to year of student. 1./2. year all workplaces in classroom, 5./6. year classroom only for input, workplaces in common area

2 | workspace

individual and group workplaces for students to choose freely, providing the minimally needed workplaces outside the classroom

3 | hallway / group room

in winter, hallway transforms into group workspace during class

additional learning spaces

4 additional learning spaces providing a diversity of learning spaces and classrooms, so students can choose the environment best suited for them to study in

5 | common open spaces

possibility for big group course, discussing or playing. connects both sides of the school



minimally needed core classrooms and workspaces have to be updated

exchange window panels and floor to meet contemporary requirements

- 1 | exchange window panels window panels are updated for triple glazing and more isolation
- 2 | new floor composition in the minimally needed spaces a floor heating is added
- 3 | facade re-use the facade pillar structure and corrugated metal panels can be re-used
- 4 | keep complete facade in the additional learning spaces, the existing facade is kept as is

updates only where minimally necessary just 50 % of building surface

existing and updated construction in detail, displaying inside uses on the facade

- 1 | new floor composition
- 2 | new window panel
- 3 | existing window panel
- 4 | wintergarden extension

providing more through doing less - use resources for extensions

provide diversity in (learning) spaces and movement throughout the school

1 | wintergarden

providing an open(able) space and an additional climatic zone for students or classes to use freely, giving more diversity to the learning landscape

2 | staircase

give more freedom and possibilities in vertical movement throughout the school

- extend entrance building to allow access to school from both sides

- entrance building roof becomes terrace trough added staircase, connecting courtyard with first floor

different degree of change in the building results in different climatic zones, minimizing its energy demand

heated core spaces

the spaces with updated facade and floor can maintain the required 21°C all year round

naturally heated secondary spaces

secondary spaces with existing facade do not require heating during most times of the year. either people move a lot in them, only stay for a short while or because they only provide additional (learning) spaces. the big windows provide a lot of solar gains, heating the inside naturally. the existing radiators can be used if absolutely necessary. these spaces provide the second inside climate for the students to choose

wintergarden climate

the wintergarden extension provides a third climatic zone. with all its windows open, it can become almost an outside classroom in summer. in winter it heats up naturally through solar radiation, helping to isolate and reduce the heating demand of the building.

enriching the new building through existing structures

re-use means taking the existing spaces and structures seriously, seeing them as potential, not obstacle. therefore: re-use as much as possible

1 | kiosk

re-use the existing kiosk to serve as student managed kiosk during the week and to provide snacks for workshop participants or park-goers on weekends

2 | side entrance

leave additional access to workshop space, helping to use the groundfloor for community program on weekends without interfering with the school

- industrial kitchen on the third floor used for schools lunch service

- existing aula on third floor re-used for events

change inside the building also transforms its surrounding, expanding klybecks public space

parking lot transforms into accessible school courtyard

- **1 access circulation** hard surface surrounding the school, ensuring accessibility from all sides
- 2 | sport fields
 - sealed parking lot is used as sport area
- 3 | open grass fields

providing as much unsealed surface as possible for relaxing, playing or student gardening

4 | public street

former private street south of building 610 is opened, allowing more connections in klybeck

