

KLYBECKQUAI & WESTQUAI SUSTAINABLE URBAN DEVELOPMENT

Status Quo

Klybeckquai and Westquai are industrial, logistics and port areas that are to be transformed in the coming years. Klybeckquai and Westquai are still strongly characterised by the use of the harbour on the one hand, and by the now established interim uses on the other. There is an opportunity to transform these areas and open them up to the population.

Transformation Plans (2025 - 2035)

On Klybeckquai and Westquai, dense, socially and functionally mixed urban quarters for over 8,000 residents and employees are to be created. A neighbourhood dominated by housing is to be created on Klybeckquai and a residential neighbourhood on Westquai that offers space for novel, open structures for culture, work and leisure.



Interconnectedness

- Trinational network between France, Germany and Switzerland
- Harmonisation and networking of the old and new areas



Mobility

- Priority given to walking, cycling and public transport (new S-Bahn connection, tram line and ferry)
- Limiting motorised individual traffic



Social aspects

- Liveable, socially and functionally mixed, ecologically sustainable
- Different types of housing in different price segments

ZWISCHENNUTZUNG

29 businesses/volunteer groups occupy Holzpark and unofficial inhabitants stay in Wagenplatz.

Buildings are often made from recycled material. Energy/water come from the grid; heating comes from private sources due to regulations.

80% of workers are volunteers. Projects must serve the community, they have much autonomy.

Social community

Value for community, environmental protection, creativity, and solidarity

- Recreational space, offers community, education, and a degree of social support
- Respect/communication mainly good between community and developers
- Fear of future development: lifestyle change and gentrification



Recommendations

- Continue to exploit overlapping values between developers and community
- Allocate space to continue Zwischennutzung
- Increase developer's community awareness through frequent visits



ENERGY

It is essential to consider energy at an early stage in the transformation of Klybeckquai and Westquai. The main components are a high share of local renewable energy, a high level of energy efficiency, energy flexibility in production and demand, and sustainable mobility.

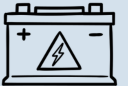
Energy sources

- Renewable energy: focus solar energy
- IWB grid
- Use of waste heat



Energy storage

- Electric vehicles storage option
- Batteries in buildings
- Thermal storage systems and gas storage



Heating and cooling

- District heating network
- Heat pumps
- Use Rhine water for cooling
- Heat recovery systems of waste water
- Decomposition energy



Building efficiency standards

- Limitation living space and energy consumption per person
- Including grey energy in building targets
- Ensuring energy-conscious user behaviour



Room for Innovation

- Information & Communication Technologies
- Local production of hydrogen
- Citizen and stakeholder engagement



Further information

For information on Holzpark, Wagenplatz, the area's future development plans, our contact information and the used sources, visit our Linktree by scanning the QR code.



Poster and research completed by Luke Robinson and Rahel Amacker with support from Adam X. Hearn and Darja Mihailova
This project was supported by IMPULS, a program of the University of Basel and U Change: www.unibas.ch/impuls