

Postfossil Neighbourhoods

Autumn Semester 2023
Advanced Studio Landscape
Bachelorstudiengang Architektur
Bachelorstudiengang Landschaftsarchitektur
Master's degree programme in Architecture



All countries bordering the Alpine Rhine Valley aim for net zero greenhouse gas emissions by 2050. This is only realistic if spatial planning, infrastructure development, urban planning and architecture are also consistently geared towards this goal. But what does this mean in concrete terms for the built environments in the region?

In this design studio, the example of an existing neighbourhood is used to examine which spatial strategies and design measures are necessary and how they affect everyday life and social prosperity. The design projects integrate issues such as energy, mobility, resources, climate adaptation, and social development with questions relating to public space, usage scenarios, upgrading existing buildings, or contemporary forms of living and working.

During the semester, we will develop various urban planning scenarios for a selected neighbourhood that show how the net zero goal can be achieved at neighbourhood level, how social prosperity is possible in the postfossil future and what challenges arise. The results contribute to the discourse for future-oriented planning within the discipline and among the public.

Studio Tutors: Michael Wagner, Luis Hilti

Invited experts: Andrea Cejka and Peter Vogt (open space and urban climate), Axel Simon (architecture), Philipp Klaus (social space).

This studio is run in cooperation with the Landscape Architecture course at the University of Applied Sciences of Eastern Switzerland OST.

Literature:

Building climate. An encyclopaedia on architecture, landscape architecture and spatial planning on the way to net zero, Andreas Herzog (ed.), Edition Hochparterre, 2022.

Densification of Urban Landscapes: Post-War Housing Developments Between Preservation and Renewal, ZHAW, Anke Domschky, et al., Triest, 2022.

Soft City: Building Density for Everyday Life, David Sim, Island Press, 2019.