

KLIMAQUARTIER SCHWEINFURT

SUFFICIENT, DIVERSE, CIRCULAR, CLIMATE-POSITIVE

assignment Urban development competition Kessler Field Schweinfurt -
Klimaquartier **location** Schweinfurt, Germany **size** 9 ha **client** City of Schweinfurt
services Urban design **status** idea, 2021 **team** Oliver Seidel, Jacob Fielers, Lisa
Iglseider **award** 2. prize **projectnumber** 2113-KQS

What is a Klimaquartier (Climate Quarter) and how do you meet its requirements? With the Klimaquartier in Schweinfurt, we have created a possible answer that is not only about the CO₂-neutral operation of the buildings, but also about the energy that has to be used to construct them and the recyclability of the materials. In addition, the focus is on minimizing as well as shifting the mobility of residents away from the car and towards environmental networks. To achieve these goals, the design for the Klimaquartier Schweinfurt follows these development principles:

- Compact urban planning protects the valuable resource soil and offers plenty of space for self-sufficiency, rainwater management and recreational uses.
- The large unsealed areas enable lush vegetation, which promotes biodiversity, creates a balanced microclimate and creates atmospherically strong places. This guarantees a diverse, healthy and livable habitat for humans and animals.
- To promote the local rainwater balance, all of the rainwater on site is seeped away, evaporated or stored in cisterns for watering plants.
- A diverse mix of uses consisting of living, working, supply and leisure activities creates a lively, "complete" quarter and reduces the need for mobility.
- The approach of a sufficiency quarter reduces individual possessions (living space, means of transport, consumer goods, etc.) in favour of communal

prosperity, and thus conserves the resources of our planet.

- Sustainable building materials such as wood, clay, straw etc. are used and are installed in a way that they can be broken down according to type.
- Flexible wood system construction and compact building volumes enable cost-effective construction.
- In addition to the existing district heating, only renewable energy sources (Photovoltaics on roofs and partially on facades) are used.
- Made possible by a multimodal mobility offer consisting of cargo bikes, e-bikes, e-cars, bicycle trailers, etc. - which one shares and does not own - cars play the least possible importance in the climate quarter.



picture of the physical model



location map M500



picture of the physical model



Perspective Klimaquartier