

KLIMAQUARTIER WÜRSELEN

assignment realization competition; design of a sustainable residential quarter in timber construction **location** Würselen-Broichweiden **size** 22.600 m² **client** MHKBG NRW; Aachener Printen- und Schokoladenfabrik; Stadt Würselen **services** urban and structural design **status** idea, 2022 **team** Oliver Seidel, Jakob Bohlen, Niklas Staack, Hanna Sentis **cooperation** felix landscape architects and planners

The Klimaquartier Würselen is characterized by strong open space references and clearly defined urban spaces. It mediates between the new and existing settlement bodies, the various neighborhoods and the open landscape in the east. In order to meet the current climatic changes and the scarcity of resources, the neighborhood will be developed in a space- and material-saving manner using timber construction; water and other resources will be used locally and treated on site.

The new neighborhood landscape complements the existing open block perimeter while forming defined neighborhoods with intimate courtyards that combine village courtyard structures with play streets. The small-scale buildings surround the Green Center, which forms the heart of the neighborhood and functions as a meeting space for the surrounding neighborhoods.

All buildings are based on the same construction grid, which corresponds to the deep garage grid of 5m. The bulkhead construction method, optimized for timber construction, forms the basis for the feasibility of the various building typologies. At the same time, repetitive building elements and construction principles ensure efficient planning and minimized construction times. The efficient basic structure allows for a variety of floor plan types - from one-room apartments to row houses to group apartments.



The existing open and green block structures are closed by the new settlement



The interior of the neighborhood is strengthened by a natural green axis rich in offerings and is opened to the city.



The square forms the entrance to the Klimaquartier Würselen and leads to the Green Center. Public ground-floor zones with cafés, co-working spaces and a neighborhood meeting place as well as the daycare center make the neighborhood square a lively space.



site plan



The Green Center offers space for encounters, play, rest and joint gardening. In addition, water seeps away here and biodiversity is promoted. creating better places. | **cityförster**