

## Profile

### **Healthy Homes Cologne-Kreuzfeld | Designs for healthy living in "The Woodhood**



## Background

- The population in our major cities is growing rapidly, and with it the demand for housing and its prices.
- Affordable housing is in short supply, so that even suburban areas are coming under pressure. At the same time, there are increasing demands to meet the needs of different types of users when planning new buildings and renovating existing ones, to design buildings that are comfortable, sustainable and resilient, and last but not least, to provide users with spaces for a high quality of life and improved well-being.
- After all, people spend 90 percent or more of their time inside buildings and are exposed to indoor conditions.
- The starting point for the project work is the urban design with the theme 'The Woodhood - Kreuzfeld Gartenstadt 2.0' by ADEPT ApS + Karres en Brands.
- The planning area is located in the social area 'Blumenberg-Chorweiler-Seeberg' in the north of Cologne, about 10 kilometers from the city center.
- Embedded in a landscaped context in the immediate vicinity of the Worringer Bruch, the design for Köln-Kreuzfeld thus ties in with the structurally weak districts North of Cologne.

**Task(s)**

- After the analysis of the surrounding conditions, a design for healthy living on the area "The Woodhood" is created, starting with the individual room space.
- In addition to the theoretical and conceptual examination of the topic "healthy living", Rhino and Ladybug tools will be used to conduct studies on daylight, temperatures and energy. There will be introductions and tutorials to the tools at the beginning of the design.
- In the end, an above-average healthy and comfortable housing complex for 10 households will be created.

**Organization**

- 1st event: 10.10.2022 9:30 - 11:00 a.m.
- Core hours for colloquia, tutorials, and mentoring are Mondays 9:00 a.m. - 12:00 p.m. (colloquia likely longer)
- Colloquium dates: 07.11., 05.12., 09.01., 06.02.
- A large part of the tutorials and supervision are held in English.
- There is a cooperation with the urbanistic B4 design "The Woodhood - Kreuzfeld Gartenstadt 2.0'. Impulses for healthy neighborhoods" with Prof. Förster. Mutual visits to colloquia are intended to promote professional exchange across scales.