

## Karin Dom

A house in the urban forest for children.

### Description:

The proposed design for the new Karin dom, is an efficient and optimised building where focus has been on providing optimal conditions for the daily activities, intimate environments for the children and a close connection to the nature on site.

All materials proposed are natural and sustainable materials. Already in this early design stage much effort has been put into rationalizing and optimizing the design to allow it to be built efficiently and with a high level of precision in execution. All curved parts of the design have been simplified into compositions of straight construction elements. This not only allow for cost-efficient construction, but also for a building where all wall surface area can be used efficiently for interior furnishing.

The core building material in the project is CLT, which is a sustainable and cost-effective material. It also automatically means that the building will be constructed from prefabricated elements. This reduces the construction time on site, and ensures a high built quality and precision. As a result, the building will also perform well in terms of airtightness and thereby further enhance effectiveness of the proposed heat exchanger. Karin dom is designed to be a very energy and climate efficient building, with a low operating cost through-out its lifespan.

All materials chosen for the design are natural and sustainable. They have been chosen based on the qualities in terms of touch and feel for the children, but also for their quality and durability. They are not expensive materials, but materials of a high quality.

With these considerations and rationalizations integrated already at this schematic stage, it is the team's clear expectation that the implementation of the project will be within the 1.452.000 euro stated in the competition brief.