



KLH®

PROJECT

GROTE KREEK

LOCATION
Rotterdam,
Netherlands

SUSTAINABLE AND SOCIAL FIRST HEALTHCARE BUILDING MADE OF KLH® – CLT

On the southern edge of Rotterdam rises the first social timber building in the Netherlands. The entire structure including walls, floors and ceilings, is made of KLH® – CLT, which creates a healthy and comfortable environment inside.

The building provides accommodation for 50 people who are cared for by the Dutch Salvation Army. Besides the social aspect, Grote Kreek also has ambitious sustainability goals. In addition to the use of KLH®

structures, a variety of bio-based and recyclable materials were used in the construction. Thanks to the optimum thermal insulation and effective solar shading on the south and west façades, the building's energy consumption was almost neutralised.

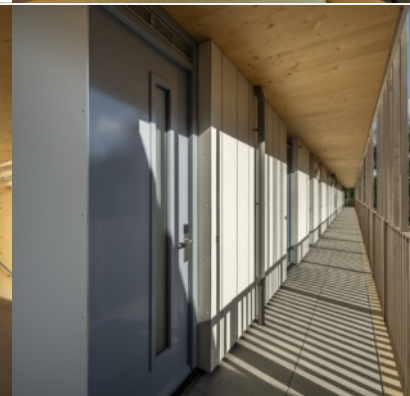
PROJECT INFO

Volume of KLH® – CLT: 6.177 m² / 832 m³

Stored carbon: 634 tonnes

Regrowth time in Austria: 14 minutes

HEALTHCARE BUILDINGS







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ARCHITECT

Urban Climate Architects
www.ucarchitects.com

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CONSTRUCTION CALCULATION

Raadschelders BV

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DEVELOPER

VIOS Vastgoed
www.viosvastgoed.nl

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PHOTO CREDITS

Paula Romein Photography

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BUILDER

NGA van Beek | www.ngavanbeek.nl
JM Concepten | www.jmconcepten.nl