

**KLH®**

PROJECT

# APARTMENTS MOLSLAAN

LOCATION  
Delft,  
Netherlands

## SUSTAINABLE HOUSING COMPLEX FOR YOUNG PROFESSIONALS

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An old school was designed into a building complex for 12 Young Professionals. The lightweight of KLH® construction made it possible to create a 3-story building complex. As many materials as possible were reused from the existing building, such as wooden trusses and roof tiles. The walls inside were left mostly visible to create a comfortable living and indoor climate. The building is a CO2 storage, gas-free and energy neutral due to radiant heaters, heat pump boilers with heat recovery and PV panels on the roof. Each tenant can contribute to the ecological footprint by growing their

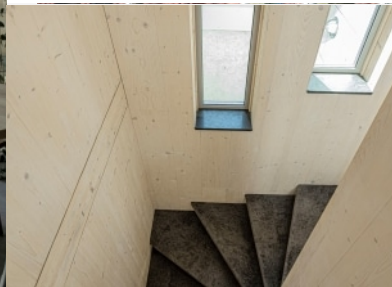
own vegetables with an “Urban Cultivator”, which is a standard feature in every kitchen. An important aspect of the project is the sense of community to promote a sense of belonging and support sustainable living.

### PROJECT INFO

VOLUME KLH® – CLT  
1.894 m<sup>2</sup> / 229 m<sup>3</sup>

STORED CARBON  
182 tonnes (Regroth time in Austria 4 min)

MULTI-STORY RESIDENTIAL



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### ARCHITECTURE

Urban Climate Architects  
[www.ucarchitects.com](http://www.ucarchitects.com)

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### DEVELOPER

Silvare Development  
[www.silvaredevelopment.nl](http://www.silvaredevelopment.nl)

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### BUILDER

JM Concepten  
[www.jmconcepten.nl](http://www.jmconcepten.nl)

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### CONSTRUCTION CALCULATION

W2N Engineers  
[www.w2n.nl](http://www.w2n.nl)

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### PHOTOGRAPHY CREDITS

Andrew Walkinshaw Photography,  
Urban Climate Architects