

 KLH®

PROJECT

## LE HAUT-BOIS

LOCATION  
Grenoble,  
France

## SUSTAINABILITY IN MULTISTOREY HOUSING CONSTRUCTION

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In the heart of the Flaubert district in Grenoble is the social housing project “Le Haut-Bois” located with its 56 apartments. The residential complex consists of two buildings, a 9-storey and a 6-storey building linked by a unique staircase that is both open on one side and glazed on the other. KLH® – CLT was used for walls and ceilings, which has a significant aspect in terms of earthquake resistance. Thanks to the timber construction with cross laminated timber, it was possible to create an energetically very efficient residential building with increased living comfort.

Le Haut-Bois was built according to the passive house standard and therefore the thermal and energetic performances are generated by the building itself. No technical heating elements are needed in the apartments; instead, a thermostat ensures comfort.

### PROJECT INFO

VOLUME OF KLH® – CLT  
5.722 m<sup>2</sup> / 732 m<sup>3</sup>

STORED CARBON  
581 tonnes (Regrowth time in Austria 12 minutes)

### AWARDS

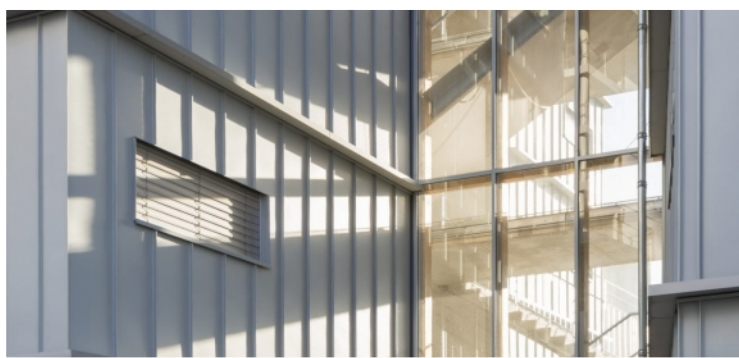
[Regional Timber Construction Prize 2022 | Category residential housing](#)

[National Timber Construction Prize 2022 | Category innovation](#)

MULTI-STOREY RESIDENTIAL











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**ARCHITECT**

ASP Architecture  
Atelier 17C Architectes

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**TIMBER CONSTRUCTION**

SDCC

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**CLIENT**

ACTIS

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**PROJECT SUPPORT**

Lignatec Sas

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**STRUCTURAL ENGINEERING**

HV Conseil & Ingénierie Bois

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**PHOTOGRAPHY CREDITS**

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