

 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 m² / 732 m³

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

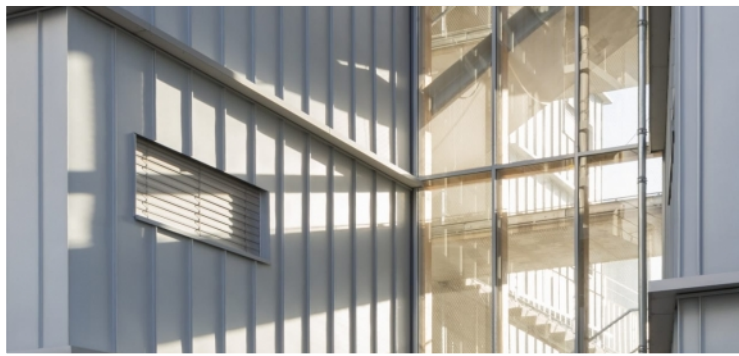
AWARDS

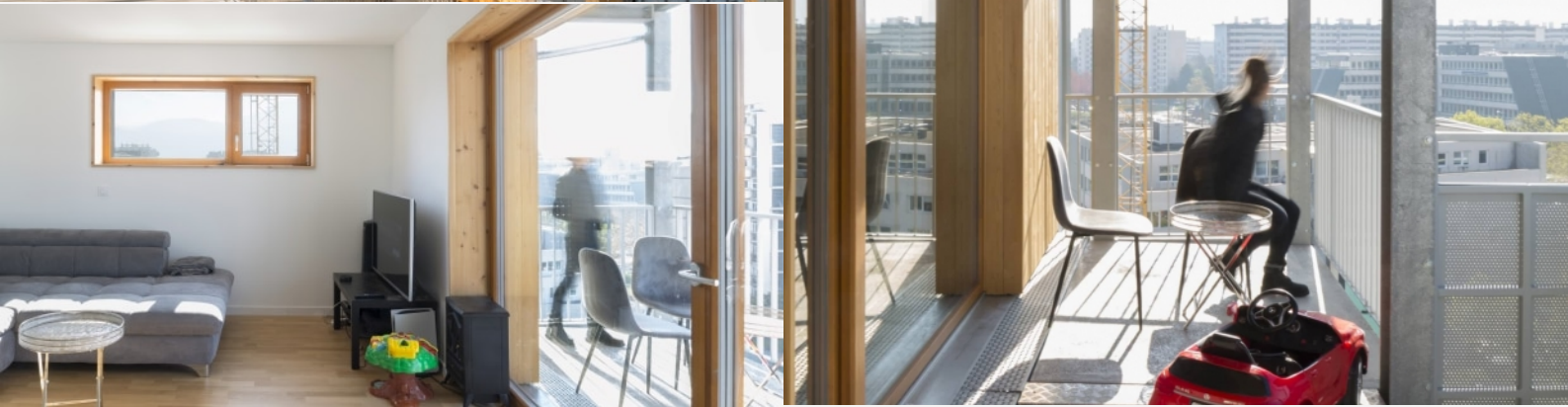
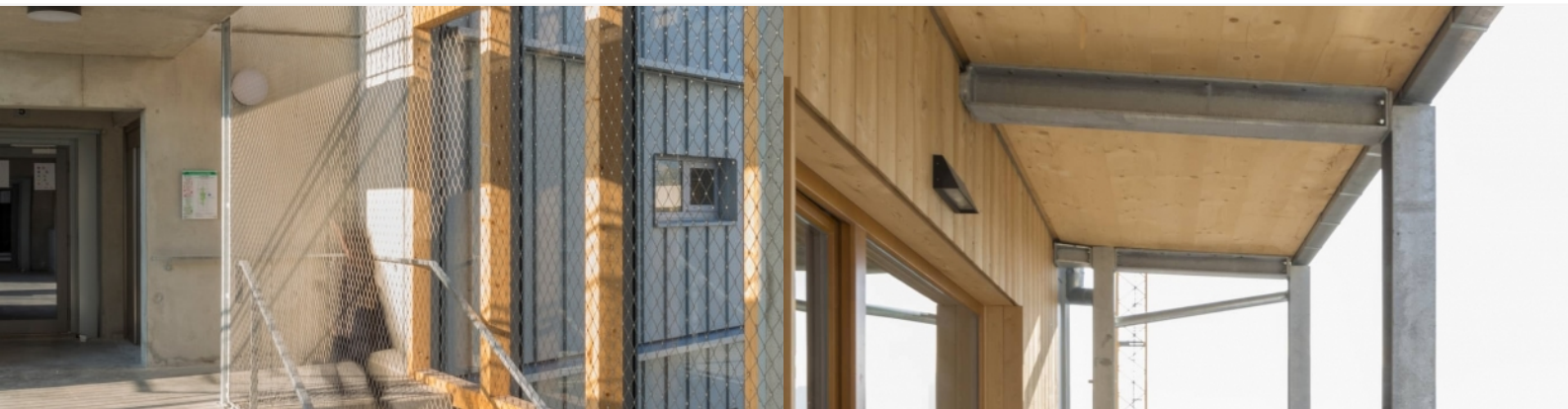
[Regional Timber Construction Prize 2022 | Category residential housing](#)

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

MULTI-STORY 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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