

 KLH®

PROJECT

# CIRERERS BUILDING

LOCATION  
Barcelona,  
Spain

## COLLECTIV AND SOCIAL LIVING SPACE

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The 26,5m high Cirerers building, built on a 428 m<sup>2</sup> publicly accessible plot of land, includes 8 floors, 32 cooperative apartments, large common areas and was constructed mainly of KLH® – CLT.

The goal of the project is a sustainable city where residents live communally and achieve positive environmental performance.

The apartment building was designed to allow a fusion of community and private. Communal spaces and outdoor areas are available to all residents, while private retreats meet individual needs. The building has a low energy demand and is self-sufficient in renewable energy, which improves its environmental performance. It stores more CO<sub>2</sub> than it emits during its existence and serves as an example of how architecture can help create a more sustainable future. Cirerers awarded in the sustainability category at the 2022 Advanced Architecture Awards.

The supporting structure on the first floor consists of columns, walls, wall-like beams and a concrete slab. The wooden structure of the remaining 7 floors is supported by the first floor slab made of reinforced concrete. Here, the timber structure consists of KLH® – CLT manufactured walls and floors.

### PROJECT INFO

VOLUME OF KLH® – CLT  
830m<sup>3</sup> / 5.000m<sup>2</sup> (17 trucks)

TIME PERIOD FOR KLH® – CLT DELIVERY  
November – December 2020

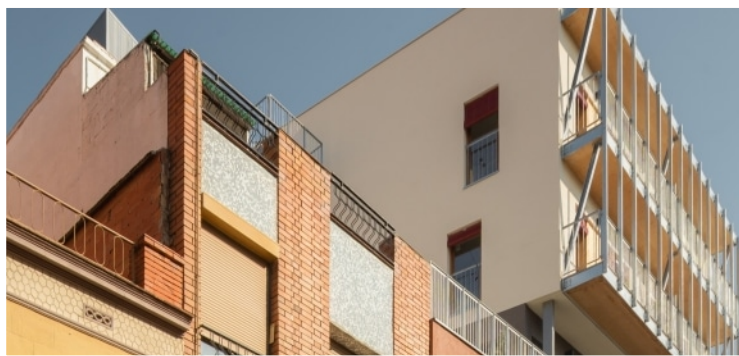
STORED CARBON  
660 tonnes (Regrowth time in Austria – 14 min)

AWARD  
Advanced Architecture Awards 2022

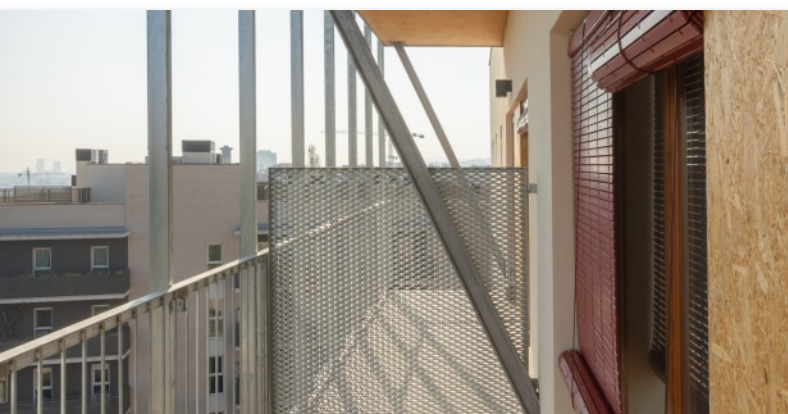
MULTI-STORY RESIDENTIAL











#### CLIENT

Sostre Civic  
[www.sostrecivic.coop](http://www.sostrecivic.coop)

#### STRUCTURE

Estudi M103  
[www.estudi-m103-slp.negotio.site](http://www.estudi-m103-slp.negotio.site)

#### ARCHITECTURE

Celobert cooperativa  
<https://celobert.coop/>

#### PHOTOGRAPHY

Guifré de Peray  
 Joan Guillamat  
 Joan Massagué | Celobert cooperativa

#### WOODWORK

Velima System sl  
[www.velimasystem.com](http://www.velimasystem.com)