



Bloc4BCN: One of Europe's largest cooperative hubs

SUSTAINABLE GOOD PRACTICES

Technical team

Promoter: Barcelona City Council and BIMSA
Architect: Vicenç Benítez Rodríguez
Structures: Altra Software
Installations: BARNY Enginyers Consultors
Budget: Carles Giner Palacín
Construction company: ARCADI PLA SAU

Collaborating entities

COOPOLIS

ASSOCIACIÓ BLOC4, formed by the Federation of Work Cooperatives, the Confederation of Cooperatives of Catalonia, Seira and Coòpolis Foundation

Comprehensive reform and rehabilitation of a pre-existing industrial building for its adaptation as a space for Social Economy Initiatives. The necessary actions have been carried out throughout the building in order to restore, recover and give a social use to a historic building, as well as to promote the greater rooting of the future facility in its urban and social context that gives meaning to its implementation in this area of the city.

The objective of the project is to address the reform and comprehensive rehabilitation of Nau 4 of Can Batlló, to recover and maintain the historical and architectural values of the building, which have not been considered in the various modifications that have been made to the building over time. Therefore, the original elements of the facades are enhanced, as well as the maintenance of the large original interior space formed by the riveted and perimetral supported metal trusses. At the same time, this action is adapted to the new administrative use of the building, adapting the new interior spaces to the programmatic needs of the new uses, as a center for solidarity economy initiatives.

Construction system

Dry construction system, based on prefabricated panels for both the floors (alveolar concrete slabs) and for the compartmentalization of spaces.

Water

Reuse of rainwater for the use of toilets and irrigation of the interior gardens.

On-site reuse practices

→ Wooden false ceiling substructure



→ Bricks

A set of solid bricks were selected from the demolition works to be placed in opaque openings in the facade.



Energy efficiency

→ Highly insulating envelope to reduce the effect of the climate

→ Passive strategy without technology taking advantage of the local conditions of the Mediterranean

→ Maximum use of sunlight through a set of slats specifically designed for the trusses facing south, producing light comfort and avoiding the effects of glare on the occupants

→ Hydraulic flooring



→ Roof tiles

The old roof tiles have been reused. Once dismantled and stored, a visual inspection has been carried out and approximately 50% have been reused.



Credits:

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