

REFUGE WALLON MARCADAU

LOCATION
Pyrenäen,
Frankreich

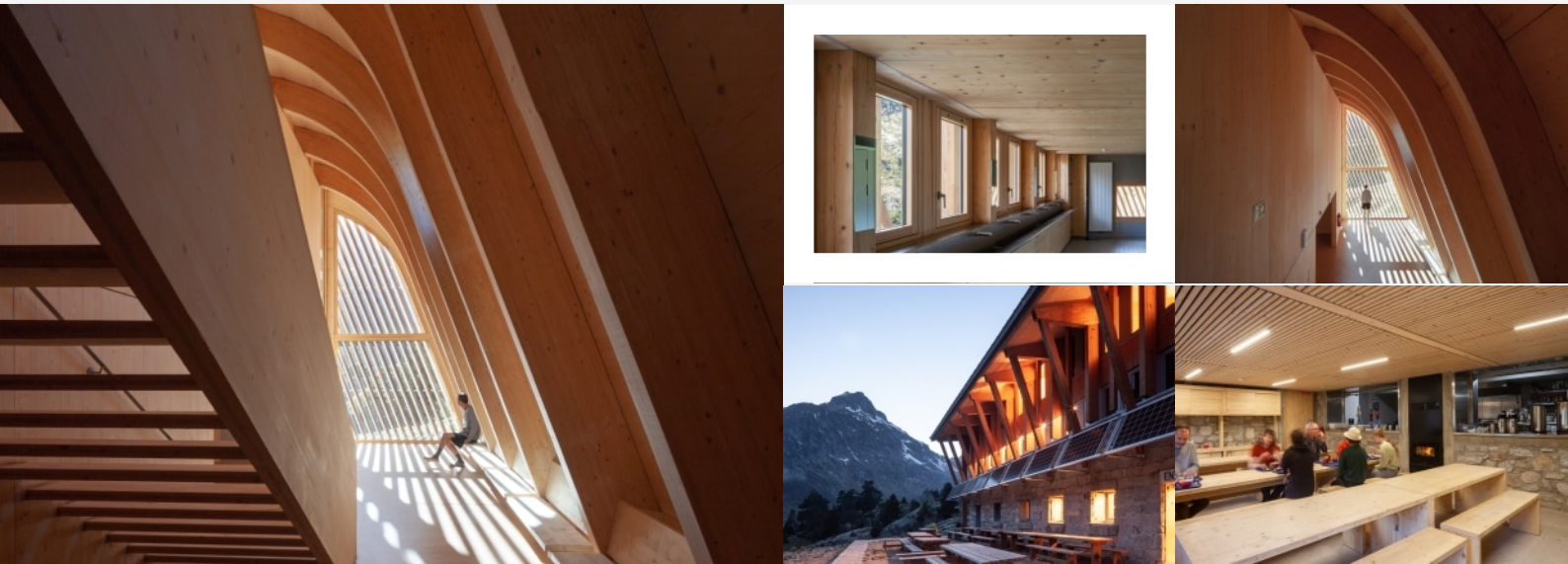
CONTEMPORARY ARCHITECTURE IN THE ALPS

The Wallon Marcadau refuge is located in the Pyrenees National Park at an altitude of 1,866 meters. The site can only be reached by helicopter and the building had to be self-sufficient in terms of energy, as there is no external infrastructure. Earthquake safety was also an important planning criterion due to the seismic activity in the region. The conversion preserves the cultural heritage of the hut by retaining the historic stone structures and removing inferior extensions. A wooden structure connects the individual parts of the building functionally and aesthetically, with modern elements such as a stainless steel ceiling, wooden supporting structure and a south-facing net complementing the traditional design.

The floor consists of steel girders and brickwork, the base of concrete with hollow bricks, and load-bearing walls and gables of KLH® – CLT elements. The roof was prefabricated in modules with a width of 1.80 meters. This conversion turned the refuge into a modern, sustainable shelter that retains its historical identity.

PROJECT INFO

Volume of KLH® – CLT: 2.914 m² / 343 m³
Stored carbon: 261 tonnes
Regrowth time in Austria: 6 minutes



ARCHITEKTUR

360° Architecture & Michele & Miquel

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BAUHERR

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