

Modular construction redefines circular thinking

Esch-sur-Sûre, Luxembourg



Project details

Architecture	Blumer-Lehmann AG
Project type	Residential construction single-family home
Construction type	Wood element construction
Services	Architecture, Timber construction

From the mountain top to Luxembourg: a temporary structure finds its purpose

The journey of a modular timber structure demonstrates how circular construction works: built in an environmentally friendly way, relocated several times and used for three completely different purposes over a period of ten years.

2014 – 2019: Mountain Restaurant, Switzerland

In 2014, a temporary mountain restaurant was built on the Chäserugg using modular timber elements – sustainable, fully demountable and transportable by cable car. An early example of circular construction.

2019 – 2024: Architecture Office, Luxembourg

The modules were rebuilt in Moutfort within a single day and reused as offices for FAT architects S.à r.l.

From 2024: Residential House, Esch-sur-Sûre

Since 2024, the building has been used as an extension of a residential home, demonstrating the long-term flexibility of modular timber construction.

Specific Contact



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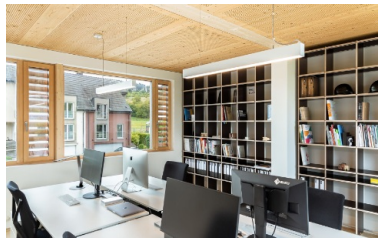
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At its first stop, the modular timber structure served as a temporary mountain restaurant on the Chäserrugg in Switzerland at an altitude of 2200 metres above sea level.



The timber modules were brought down to the valley by cable car.



In Moutfort, Luxembourg, the modular construction provided FAT Architects with four workstations, a meeting area and a kitchen from 2019 to 2024.

The large window fronts provide plenty of natural light.

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We've reached our destination: nestled gently in the countryside, the modular construction has put down new roots in Esch-sur-Sûre in Luxembourg.



The former conference room was converted into a bedroom and bathroom.



The living and dining area is located on the upper floor and was created without altering the building's structure.