



StoraEnso

Steiermarkhof Graz, Austria

Partner of Stora
Enso

In recent years, the Steiermarkhof in Graz has developed into a modern centre for education, dialogue and innovation. In three construction phases – from 2013 to 2024 – the existing educational complex was comprehensively renovated and expanded. The focus: sustainable architecture with high standards of functionality, quality of stay and ecological responsibility.

An exemplary educational centre

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Sylva™ kit of parts as a key structural material

A key element of the project was the use of Sylva™ CLT elements by Stora Enso. These were used as load-bearing wall and ceiling elements in both the renovation and extensions using mass timber frame construction methods.

Sylva™ CLT elements impressed not only with its structural properties and high prefabrication quality, but also with its CO₂ storage capacity and contribution to a pleasant indoor climate.

The Sylva kit generated 29 tonnes of greenhouse gases (CO₂e) to manufacture. Compared to the 416 tonnes of carbon dioxide that the trees removed while growing and will store in the building, this amount is a small fraction. Choosing Sylva CLT elements instead of non-renewables avoided 625 tonnes of greenhouse gases. Source: [Stora Enso Carbon Calculator](#) based on third-party verified EPDs.

Architecture with identity

The architectural concept places particular emphasis on lighting, transparency and regionality. In the most recent expansion phase, hotel rooms were redesigned – named after Styrian tourist regions – and furnished in characteristic colour schemes. The agricultural office centre also built with a CLT structure in 2017, provides space for organisations such as the Styrian Rural Youth Association and the organic association 'Ernte für das Leben'.

Sustainability in the system

In addition to the consistent use of wood, other sustainability aspects were also taken into account: energy-efficient building services, regional building materials, a well-thought-out mobility concept and a kitchen with a focus on regional products round off the project.

In summary

The Steiermarkhof is an example of forward-looking educational architecture, in which Sylva™ CLT elements Stora Enso contributed significantly to the success of the project as a structural and ecological building block. The project shows how low-carbon construction materials, functionality and aesthetic quality can be combined in timber construction – setting an example far beyond the region.



General

Delivery year

2023

Building type

Hotel

Area (m²)

1

Storeys

5



Photo credit: [Heinz Pachernegg](#)

Products

Products and Services

Sylva™ CLT Floors and Roofs,
Sylva™ CLT Walls

Product quality

VI, NVI

Product volume (m³)

547



Photo credit: [Heinz Pachernegg](#)

Team

Partner of Stora Enso

ZMP Holzbausysteme

Developer

Steiermarkhof Betriebs GmbH
& Co KG

Architect

formartST

Specialist Timber Subcontractor

Winfried Pirker Gesmbh



Photo credit: [Heinz Pachernegg](#)