StoraEnso

Partner of Stora Enso

ZMP HOLZBAU SYSTEME

Kindergarten Mattersburg
Mattersburg, Austria

Mattersburg Kindergarten reflects the town's commitment to sustainable development. Their vision was to create a future-oriented, natural building using high-quality, locally sourced materials.

Prefabricated mass timber allowed for rapid assembly, reducing construction time to approximately nine months minimizing the time the children had to be in a container school.

The use of Sylva™ CLT elements ensured high-quality, exposed interior walls, creating a warm and inviting atmosphere. This method also minimized waste and optimized resource use, aligning with the project's sustainability goals.

The project was a collaborative effort with our trusted partners, ZMP provided crucial support from the planning phase, optimizing resources and ensuring efficient construction. Handler Bau GmbH, known for their precision in timber construction, executed the building process. The partnership between these entities, along with the municipality of Mattersburg and the EBSG, was instrumental in the project's success, demonstrating the power of collaboration in achieving sustainable development.

The Sylva™ kit generated 28 tonnes of greenhouse gases (CO_2e) to manufacture and 9 tonnes of CO_2e to transport. However, this is a small fraction compared to the near 400 tonnes of carbon dioxide that the trees removed while growing and will store in the building. Choosing Sylva™ CLT elements instead of non-renewables avoided almost 600 tonnes of greenhouse gases. (Sources: **EPD** | **NTM** | **SLU**).

Carbon calculator: try out our carbon calculator to see what the size of your carbon footprint would be for your project here.

Learn more about the advantages with mass timber download whitepaper

General

Delivery year

2019

Building type

Education

Area (m²)

2,407

Storeys

2

Units

Photo credit: team plankraft

StoraEnso

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Products

Products and Services

Sylva™ CLT Floors and Roofs, Sylva™ CLT Walls

Product quality

NVI & VI

Product volume (m³)

506

Photo credit: team plankraft

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Team

Partner of Stora Enso

ZMP Holzbausysteme

Architect

team plankraft

Timber Engineer

Handler Bau GmbH