



StoraEnso

Partner of Stora
Enso

Hemlingborg

Södra, Sweden



Hemlingborg won the Årets Bygge 2024 award for its ambitious vision and successful integration of various facilities including several housing units, preschool, school, elderly care facility, and a sports hall.

Hemlingborg is a multi-purpose building located in the emerging area of Södra Hemlingby, near Gävle in Sweden.

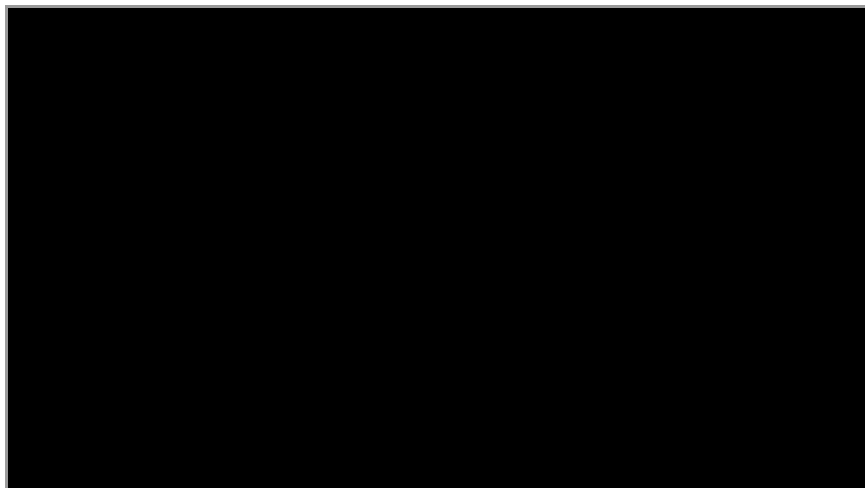
The project was a collaborative effort involving ByggPartner, Gävlefastigheter AB, and AB Gavlegårdarna, and was completed in early 2023.

The neighbourhood (Södra Hemlingby) features a mix of housing options, including apartments, townhouses, and villas, and is close to both a shopping centre and a nature reserve. The area is well-connected with new walking and cycling paths, enhancing accessibility and promoting sustainable travel.

The project (Hemlingborg) features a preschool, a school, an elderly care facility and a sports hall. It was developed by Gävlefastigheter, a municipal property management company for the Municipality of Gävle who own and manage properties used for various municipal services, such as schools, sports facilities, and cultural buildings.

The primary goal was to create a sustainable, multi-functional space that fosters intergenerational interaction and efficiently uses resources by [combining several community services under one roof](#).

Sustainable materials, such as massive wood elements, significantly reduce the building's carbon footprint.



Application of the Sylva kit of parts

The application of 2,076 m³ of prefabricated [Sylva CLT \(Cross-Laminated Timber\) Walls, Floors, and Roofs](#) by ByggPartner addressed key challenges such as sustainability, efficiency, structural integrity, precision, and versatility. ByggPartner are our partners and they are known for their commitment to quality and sustainability.

About the architect

Hemlingborg was designed by lead architect Carl Lindcrantz at White Arkitekter, one of Scandinavia's leading architectural practices, founded in 1951 in Gothenburg, Sweden.

The renewable materials company



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Small carbon footprint

The Sylva kit generated 109 tonnes of greenhouse gases (CO₂e) to manufacture. Compared to the 1,582 tonnes of carbon dioxide that the trees removed while they were growing and will store in for the school, this is a small fraction. Choosing Sylva CLT elements instead of non-renewables avoided 2,373 tonnes of greenhouse gases.

Sustainably managed forests:

The wood used to make the Sylva kit was certified under the [Programme for the Endorsement of Forest Certification \(PEFC\)](#), which ensures that the raw materials come from sustainably managed forests.

Efficiency: The prefabricated nature of Sylva CLT components allowed for a fast construction time for a project of this scale. These elements were delivered to the site ready for installation, with preinstalled lifting devices which minimized on-site labour and associated labour costs.

Structural Integrity: Sylva CLT Walls, Floors, and Roofs are relatively lightweight yet provide excellent strength and stability, which reduces the amount of foundations they require.

Precision: The prefabrication process ensures high precision and quality control, reducing the likelihood of errors during construction. This precision also allows for better integration of various building systems.

By addressing these issues, the Sylva CLT components contributed to the successful and timely completion of Hemlingborg, making it a standout example of modern, sustainable architecture.

View more purpose-built communities made with a Sylva™ kit

-[Stockholm Wood City | Kvarter 7](#)

-[Humboldt | Cederhusen](#)

-[Geologen Trummens Strand](#)

Subscribe to our newsletter be the first to be notified about our next [Sylva Talk](#) on building at scale with Sylva.



Arets Bygge 2024

General

Delivery year

2022

Building type

Multi Residential

Area (m²)

18,000



Photo credit: [White Arkitekter](#)

The renewable materials company



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Products

Products and Services

Sylva™ CLT Floors and Roofs,
Sylva™ CLT Walls, Window and
Door Components

Product quality

NVI

Product volume (m³)

2,076

Team

Partner of Stora Enso

ByggPartner

Developer

Gavlegårdarna

Architect

White Arkitekter

Main contractor

ByggPartner i Dalarna