



StoraEnso

Partner of Stora
Enso

Croix Saint Simon

Paris, France



Thermal rehabilitation and construction of 16 wooden housing units at 1-5 rue de la Croix-Saint-Simon in Paris is now complete!

Revitalising Common Areas with carbon storing materials

The common areas and surfaces of the project were revitalised using [Sylva CLT Walls and Roofs by Stora Enso](#). This approach not only enhanced the aesthetic appeal but also contributed to the sustainability of the building.

Two-Phase scheme

The project was executed in two complementary phases. The first phase involved the construction of 16 new housing units on the 4th and 5th floors. The second phase focused on the rehabilitation of the 20 existing housing units on the three lower floors (R+3), all while the site remained occupied.

Prefabricated structure

The vertical extension of the building, comprising two new floors, was constructed using an entirely prefabricated structure. This included timber facades (MOB), floors, and slats in cross-laminated timber (Sylva CLT Floors and Roofs). The use of prefabricated wood elements significantly reduced construction time and noise, which was particularly beneficial for the residents who continued to live in their homes during the renovations.

Cost and convenience

The quick and quiet installation of prefabricated wood retrofits was a major cost-saver. It eliminated the need for relocating residents, thereby saving the developer from incurring additional expenses. Moreover, the efficient delivery and installation process minimised traffic disruptions and the need for road permits in the busy urban area.

Efficient construction process

Each floor was completed within a week, and the construction did not require additional storage space, which would have been challenging at this location. A lightweight crane was used to lift the prefabricated elements directly from the delivery truck and position them for immediate installation.

Project Timeline

Construction began in March 2023 and was completed by late 2024.

Sustainability

The project was built to specification for: NF HABITAT HQE BBKA# BREEAM VG, E.



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General

Delivery year

2023

Building type

Multi Residential

Area (m²)

720

Storeys

3

Units

16



Photo credit: Atelier Choiseul Perspective

Products

Products and Services

Sylva™ CLT Floors and Roofs

Product quality

NVI

Product volume (m³)

195

Team

Partner of Stora Enso

ACDF INDUSTRIE

Developer

Habitat Social Francais

Architect

Atelier Choiseul

Structural Engineer

Ginko Ingénierie

MEP Designer

AI environnement

Main contractor

SNERCT

Specialist Timber Subcontractor

Aux Charpentiers De France

Timber Engineer

Aux Charpentiers De France



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Others

**Total construction
development cost (€)**

3,100,000