



Castle Hill

Sydney, Australia

In a market where many are priced out of quality living spaces, the Vuvale project, managed by Urban Revolutions, emerges as a sustainable and beautiful solution. This initiative aims to provide affordable co-living options that don't compromise on quality. Located in Castle Hill, a prestigious suburb of Sydney known for its excellent amenities, the development on Kathleen Ave is situated on a large plot in this prime location.

The vision to create more affordable co-living options while enhancing the urban environment and providing an aspirational lifestyle in the form of high-quality, cost-effective rental and hybrid hotel accommodation was born by the Vuvale project. In fact, the entire Vuvale brand was born from the idea of hope, prosperity, and a commitment to make independent living more accessible, empowering people to thrive through connection and belonging. Dive into the story of how they are transforming lives and redefining urban living with a sustainable, prefabricated kit of parts.

A hybrid timber structure was chosen to bring together a unique design aesthetic, exacting and high-quality construction methodology showcasing the beauty of timber and a strong focus on environmental sustainability. Reflecting on the project, Russell Garnett, the founder of Urban Revolutions said,

"Considering that timber construction such as the method chosen for this project is relatively new to Australia and because this project stretched the capabilities of the material, we sought a trusted and reliable brand to deliver. Stora Enso was our preferred solution and delivered on time as promised in an extremely tight timeline. They made the process seamless. We also favoured their ability to look after the entire logistical process from Europe to the construction site, without the need for a middleman".

The development uses the latest technology in automated efficiencies to achieve the lowest possible carbon footprint. This was accomplished with the application of 116 cubic meters of prefabricated [Sylva™ CLT Walls, Floors and Roofs](#) delivered directly to the site by Stora Enso by rail and sea.

The parts of the tree that were not used for the project on Kathleen Avenue will be used to make other renewable products. The components were manufactured to precise specifications in a controlled factory environment, ensuring high quality and reducing the need for on-site adjustments.

Sustainable sourcing

The Sylva™ elements were made with wood sourced from [PEFC-certified](#), central European forests, ensuring that the timber used comes from sustainably managed forests. PEFC is one of the most trusted and widely recognised certifications for sustainable forest management.

The Sylva kit generated 6 tonnes of greenhouse gases (CO₂e) to manufacture and 11 tonnes to transport using optimised logistics for the lowest possible carbon emissions and utilising mainly rail and sea containers. Compared to the 88 tonnes of carbon dioxide that the trees removed while growing and will store in the building, this is a small fraction. Choosing Sylva CLT elements instead of non-renewables avoided 133 tonnes of greenhouse gases. Source [Stora Enso Carbon Calculator](#), (try it out and see how small your carbon footprint would be too with Sylva).

Energy-efficient services

This project took advantage of Stora Enso's [Sylva Service](#) and preapplied protective [hydrophobic coating](#) in the factory's fully automated coating line so when the elements arrived on-site they were ready to install immediately.



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The prefabricated elements also had preinstalled lifting slings and blind hole power clamps, inserted in the mill to streamline the construction process.

Did you know the **first Passivhaus in Australia** was also made with a Sylva kit of parts?

You can view more [projects in Australia here](#)

Learn more about the advantages with mass timber [Download whitepaper](#)

General

Delivery year

Under Construction

Building type

Multi Residential

Area (m²)

1,049

Storeys

2

Units

23



Photo credit: ©Urban Revolutions and Vuvale

Products

Products and Services

Sylva™ CLT Floors and Roofs,
Sylva™ CLT Walls, End Grain
Sealer, Hydrophobic Coating,
Sylva360™

Product quality

INV | PEFC Certified

Product volume (m³)

116



StoraEnso

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Team

Developer

Vuvala -
<https://vuvala.com.au/>

Main contractor

Urban Revolutions

Specialist Timber Subcontractor

Urban Revolutions