

Building with planetary boundaries in mind

Exemplar Sustainable Buildings Awards

Award Ceremony

Paul Lynch



About the company



- » Headquarters in Bratislava, Slovakia
- » Founded in Lithuania
- » 15+ years of experience
- » Active in 25 countries across 3 continents
- » 2 factories: Lithuania & Slovakia
- » Total yearly capacity: 71,000 m²

Mission

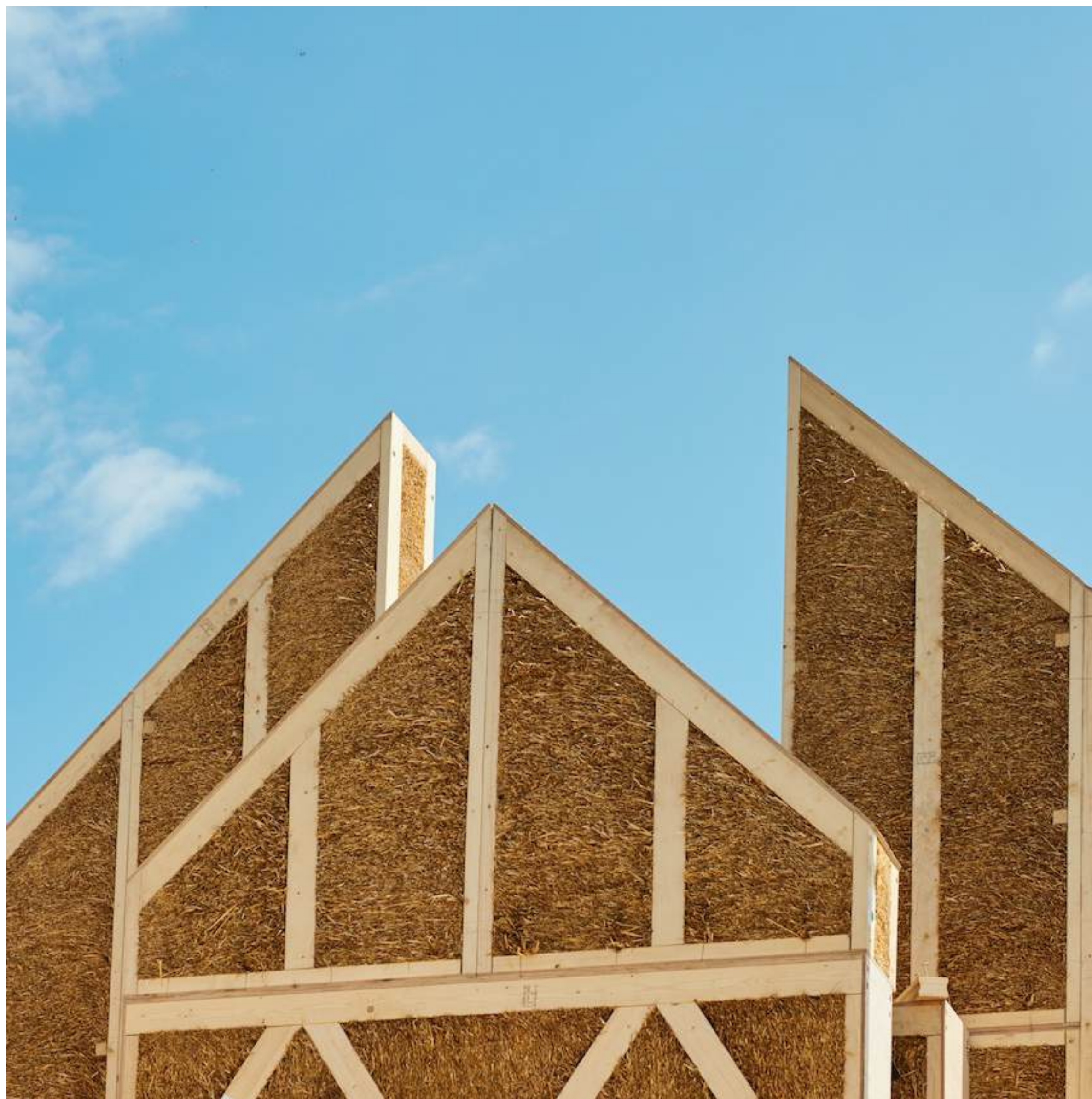
“Delivering a climate-neutral, healthy, and effective construction system designed to be returned safely to nature after use.”



Why straw?

- » Natural Carbon Sink
- » Excellent Insulation
- » Abundantly available
- » Protects Forests
- » Rapidly Renewable





A wall system designed by nature



98% raw, renewable materials



high indoor comfort



carbon-storing construction



made to measure to fit any design



super-insulated, vapour-permeable walls



consistent and certified quality

The panel

- » load-bearing twin-stud timber frame
- » compressed straw infill
- » panel width from 400 to 1200 mm
- » standard thickness 400 mm
- » up to 3 m tall



Efficient pre-assembly techniques



- » whole wall segments can be pre-assembled in hall conditions
- » windows, membrane, wood fibre, even plasters can be applied in advance
- » speeding up the assembly on site
- » minimising the impact of weather conditions

Building at scale with straw





CASE STUDY

Old Holloway

Location: Herefordshire, UK

Client: George Mikurcik

Typology: Family house

Status: Completed

Total Size: 95 m² / 1,022 ft²

Year: 2017

Supplier: EcoCocon



Photo credits: John Doe

- » Small projects WINNER in the 2018 UK Passivhaus Awards.
- » Perservering through a 4 year planning process, the single storey detached home sits snugly within its rural surroundings.

Photo credits: Milan Hutera



CASE STUDY

EcoCocon Factory

Size: 620 m²

Year: 2024

Architect: Createrra

CO₂ sequestered: 46,5 tons

- » World's first automated straw wall panel factory.
- » Is capable of producing a deep green biogenic building solution at an industrial scale. Features a unique automated production line that will provide highly customised straw wall panels.
- » Is powered mostly by solar energy.
- » The main hall itself is made of EcoCocon panels, pushing heating requirements nearly to zero.

CASE STUDY

Hyllie Project

Size: 10-story

Year: 2025

Architect: Kaminsky Architects

Advantages

On the property Plasket 1, Hyllie, this unique tenement house is being built in solid wood. The house has a passive house standard with extremely low energy consumption to provide long-term sustainability. The goal is to create a climate-positive energy system in the house with its own energy production and storage, which means that the property does not need to be connected to district heating or other heat from combustion.

About the Project

In Hyllie in Malmö, the developer ETC Bygg is building its largest project ever, a 12-storey building with 65 apartments built entirely in wood and other biobased materials. There are 10 storeys of accommodation above ground floor café and retail. The top floor is storage and plant space. This unique tenement house is being built in CLT mass wood as the main structure, with EcoCocon panels forming the external envelope.





CASE STUDY

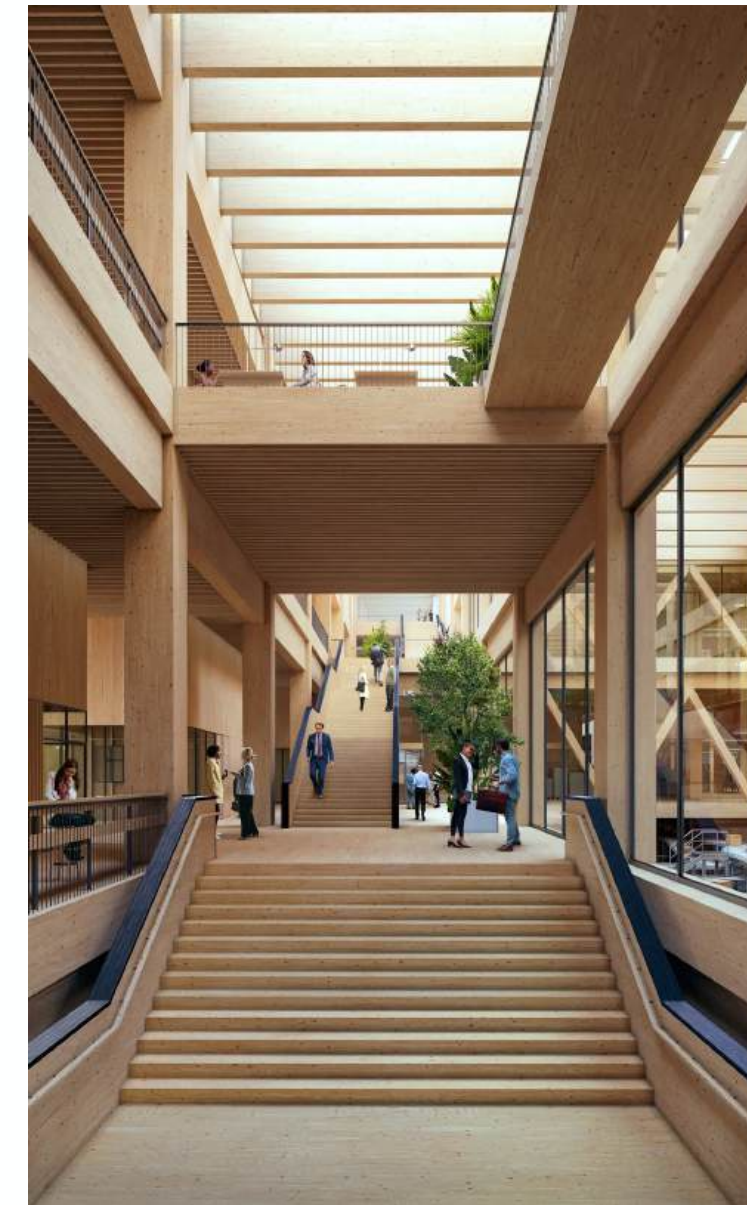
Logistic Center West

Size: 155,000 m²

Year: 2025

Architect: Henning Larsen

EcoCocon Panels: 40,900 m²



- » 155,000 m² logistics centre built with over 40,900 m² of EcoCocon straw panels and 23,600 m³ of solid wood
- » Designed with biogenic materials to reduce emissions and support a regenerative, circular economy
- » Prioritises employee well-being through natural light, green spaces, and a healthy indoor climate for nearly 600 staff
- » Over 40% of the site dedicated to landscape, aiming to increase local biodiversity by at least 10%

Photo credits: Photo Aesthetica

Let's build a better future, one panel at a time

Thank you for your attention!