

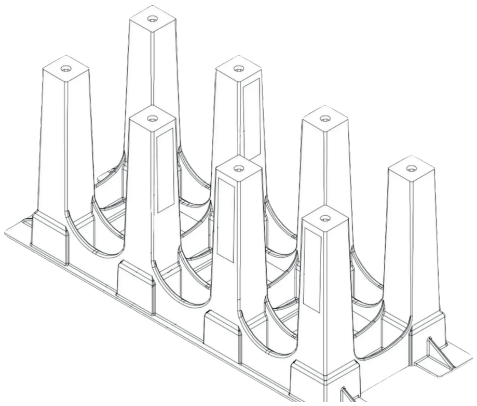
WE'VE BROUGHT THE WORLD'S FIRST STRUCTURAL BIOMASS BLOCK TO MARKET

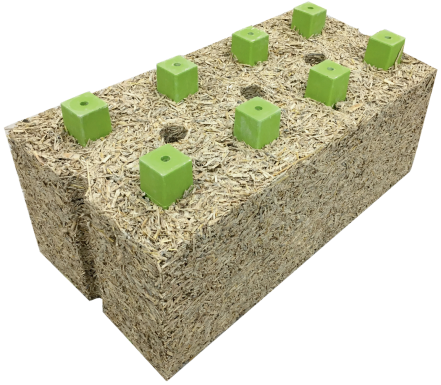
Renewabuild is the first company to commercialize and scale the production process for a structural building block made from industrial hemp and lime.

With the strength of concrete and the resilience of steel, our system is a next-generation, carbon-sequestering material.

The patented interlocking system includes built-in reinforcement, eliminating the need for insulation, drywall, and complex framing.

Fire-resistant, Red List-free, and designed for 100-year durability, it offers a simpler, healthier, and more cost-effective way to build.





This all-in-one solution replaces CMU's, ICF, and wood-frame assemblies with a single, high-performance, and cost-effective component.

With lower embodied carbon, reduced maintenance, and faster build times, Renewabuild delivers industry-leading performance while helping address the environmental impact of traditional construction.

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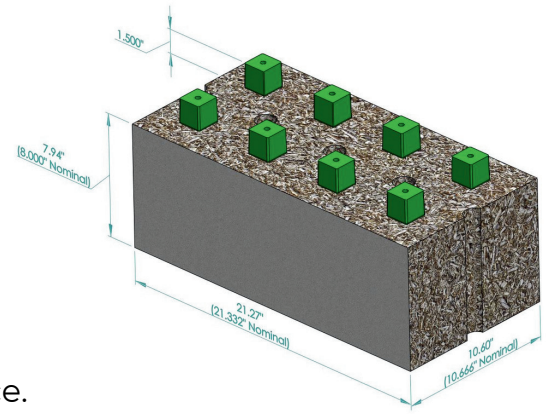
The Renewabuild Wall System

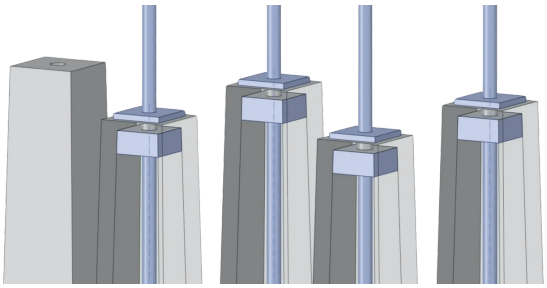
A SCALABLE, SUSTAINABLE BUILDING SOLUTION

The Renewabuild Wall System is a fully integrated, high-performance structural wall assembly designed for speed, strength, and sustainability.



Each wall is built using modular blocks combined with a patented tensioning rod system for seismic resilience and structural integrity.

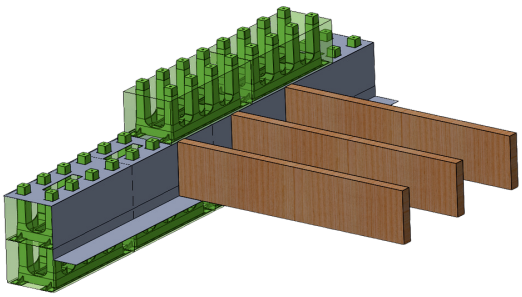
The system includes starter strips for precise alignment at the base, and top-of-wall strips to lock everything into place.

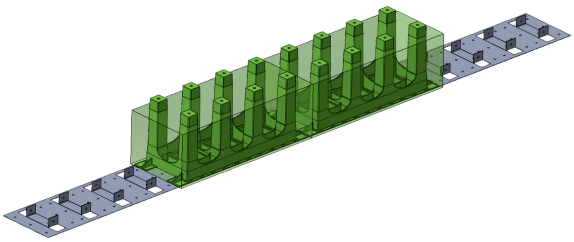


A proprietary mineral-based mortar reduces thermal bridging, while providing exceptional bonding, and eliminating the need for chemical adhesives.

Interior and exterior surfaces can be finished with our own breathable plasters, stuccos, or natural coatings - no insulation or drywall required, thanks to the wall's thermal, acoustic, and moisture-regulating properties.

This results in a durable, breathable, and energy-efficient wall system that simplifies construction while exceeding performance expectations.





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RENEWABUILD WALL SYSTEM ATTRIBUTES

✔️ **Fire Resistant** - Built to withstand high heat and flame exposure - meets industry fire endurance standards.

✔️ **Mold & Microbe Resistant** - Naturally high-pH materials and vapor permeability prevent mold and bacterial growth.

✔️ **Breathable** - Moisture-regulating and vapor-open - creates healthier indoor environments without vapor barriers.

✔️ **Wind Resistant** - Engineered to perform under extreme wind loads, including hurricane and seismic conditions.

✔️ **Bullet Resistant** - Dense composite structure provides superior impact resistance, including ballistics testing.

✔️ **Sound Dampening** - Significantly lowers sound transmission between rooms and from exterior sources.

✔️ **Thermal Mass & Insulating** - Eliminates the need for insulation or drywall - regulates indoor temperatures year-round.

✔️ **Non-Toxic & Low-VOC** - Made from natural and mineral-based components - safe for indoor air quality.

✔️ **Pest Resistant** - Uninhabitable to insects and rodents; made from materials that do not attract pests - and durable enough that rodents won't chew through it.

✔️ **Durable & Long-Lasting** - Resistant to rot, water damage, freeze-thaw cycling, and UV degradation.

✔️ **Low Maintenance** - Does not require painting, sealing, or replacement under normal use.

✔️ **Eco-Friendly** - Sequesters carbon during production and reduces embodied energy in construction.

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