

# SATIVA BUILDING SYSTEMS

SUPERIOR AND SUSTAINABLE GREEN BUILDING SYSTEMS

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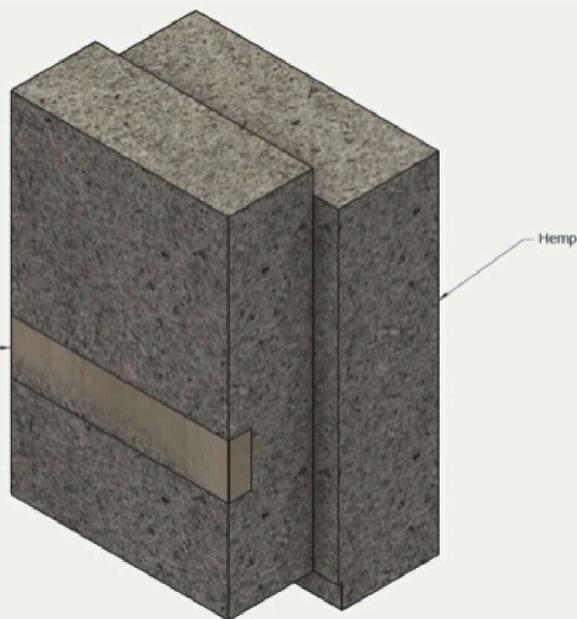
# THE PROBLEM



Traditional wall construction within homes and commercial buildings is susceptible to:

- Mold and moisture problems
- Fire
- Rot
- Decreased thermal efficiency because of air pockets
- Delayed construction due to requirement for multiple materials
- Poor ventilation because of no breathability

# THE SOLUTION



## The Z Panel

**A hemp-based stackable block panel used to construct the walls of buildings. The Z Panel is:**

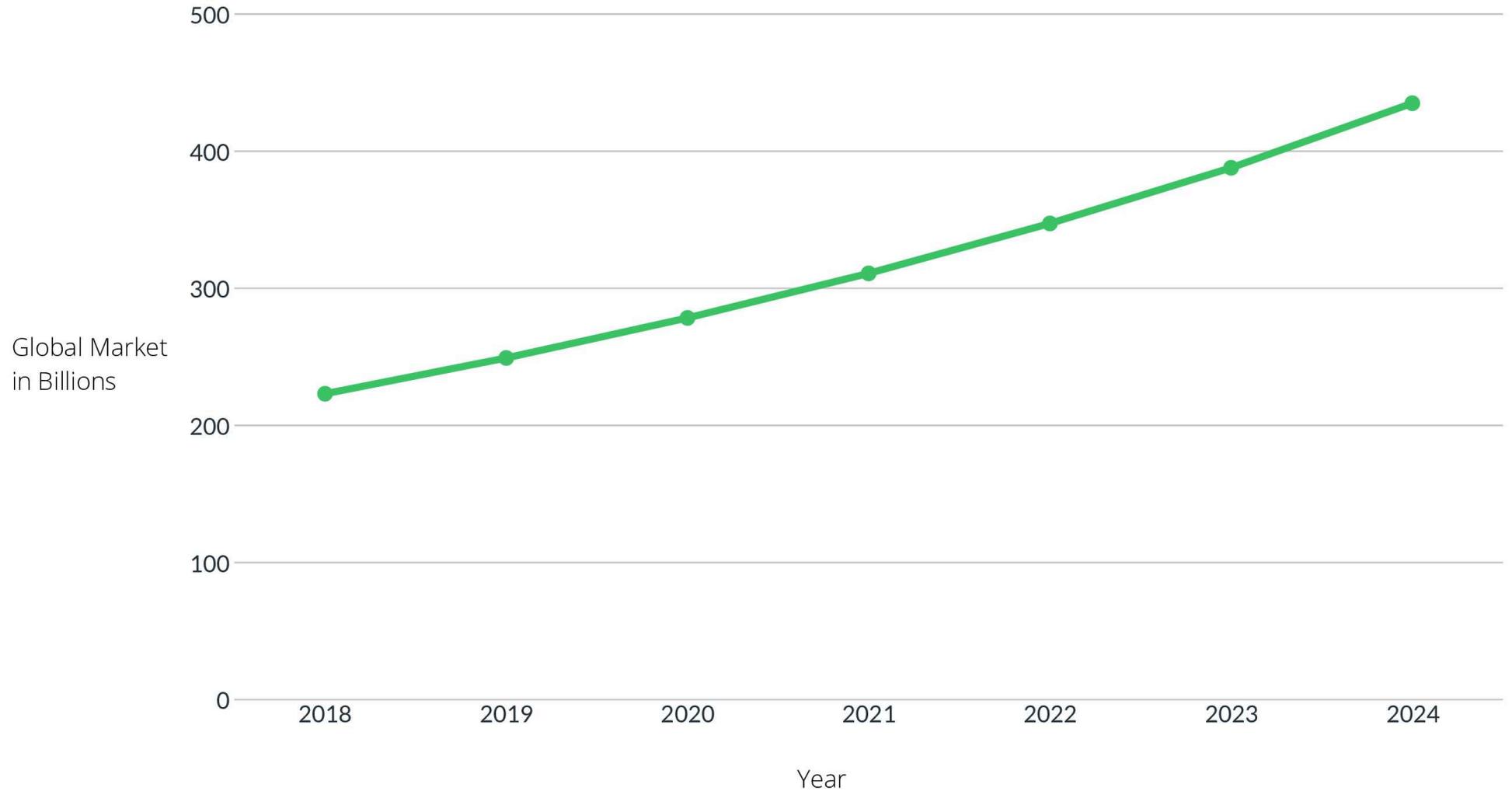
- **Made from non-toxic materials with no VOC's**
- **Breathable:** It continuously filters the air within a building
- **Vapor permeable:** It absorbs and releases moisture to regulate indoor humidity
- **Mold resistant**
- **Pest resistant**
- **Rot resistant**
- **Fire resistant**
- **1/6 the weight of concrete**
- **Affordable:** Costs comparable to traditional construction
- **Strong:** Hempcrete resists cracking and movement
- **Easy to use and assemble**
- **Efficient:** It reduces the materials needed to build a wall from 6 different materials to 3.
- **Carbon negative:** Hempcrete sequesters more carbon than it creates
- **Highly insulative:** Tested R Value of 16

# THE Z PANEL IN ACTION



This small test build was a greenhouse that was constructed in just one day

# GREEN BUILDING MATERIALS MARKET



11.7% Year Over Year Growth

# CONSUMER TRENDS



One of the most interesting trends is consumers' growing environmental conscience. More than a third of respondents (35%) would buy a product that's better for the environment over another that's slightly cheaper.

- 5% of consumers say their next car will be a hybrid/electric vehicle
- More than 50% of consumers oppose GMO foods
- 1 in 3 consumers prefer eco-friendly options

**Building a hempcrete home offsets 3 years worth of personal carbon emissions**

# BUSINESS GROWTH MODEL



Capture 0.1% of the \$540 Billion Per Year Residential Building Market by 2025  
-Equivalent to Building 1100 Single Family Homes a Year



1100 homes built with Z  
Panel each year

Based off capturing 0.1% of new  
construction residential market

Based off average home size of  
2100 square feet

Projected by 2025

11.6 Million net profit based off projected 27.5% Net Margin

\*these are only projections and can't be guaranteed.

# COMPETITION



	Sativa Building Systems	Just Biofiber	IsoHemp	American Lime Technology	UK Hempcrete
Pre-formed Hemp Block/Panel	<input checked="" type="checkbox"/>				
Novel/Proprietary Design	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Affordable Materials	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Synergizes With Code Approved Load Bearing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
US Based Company	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

# ROADMAP



**Build A Home And Develop Z Panel 2.0-Obtain R Value of 24**

→ **Pursue Necessary Testing To Meet Residential Code Standards**

→ **Market And Sell Z Panel To Residential Consumers**

→ **Enter Commercial Market, Develop New Products And Scale**

**\*EXPLORE CONTRACT MANUFACTURING BEFORE AND AFTER ENTERING RESIDENTIAL MARKET**

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# FINANCIAL



\$500K

Seed Round

Initial investment opportunity



Funds will be used to obtain a Technical Evaluation Report, secure manufacturing facility, and build a model home

Enter Market and Target Supplying 100 Homes Per Year By End of 2022

Double growth YoY to supply 1000+ homes by 2025

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