Build your House · Clean Industry

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Country: Peru · Lima **Category:** Clean Industry **Impact Areas:** Nature-Based **Stage:** Prototype **Team Size:** 3 **Website:** —

Elevator Pitch

Build a cheap house with the organic grass, gynerium sagitattum, that grows on the coast, to protect poor people against earthquakes.

Climate Problem

The coast valley in the coast, they grew the ginerium sagitattum grass, they use only for agricultural structures for wine grapes. If we can use for housing they can grow in more area in the valleys and absorb more CO2.

Solution

The grass, it's like a bamboo and strong, with a diameter between 3 and 4 cm and 6 meter approx of large, can be dry and then cut into pieces, then glue together with a resin to make beams and columns, it's an existing technique called scrimber board.

Revenue Model

Actually there is a huge housing deficit for poor pleople in Peru, and also for a regular market in prefabricated housing, they are companies of housing but all the material and cost are high so just a few can afford it.

Target Market

2 million houses in deficit in 2025

Social Impact

Indigenous Peoples, People Living in Extreme Poverty

Demand Evidence

Because the self construction technique , with poor materials is a reality in Peru, mostly surrounding the cities, but also in rural areas, the government already studied that and calculated a deficit of nearly 2 million houses for poor people in Peru.

Competitors

The prefabricated housing companies, the poor cement and steel small business in the coast, the first ones are expensive, because they use imported materials, and the second are informal and totally insecure against earthquakes

Founder Expertise

Right now we have experience in working in wood, and also in drying the grass in a solar kil dryer that we build, we are right now in the first step, to cutting the material and made a beam.

External Support

I already use my own money and also the support of a local

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