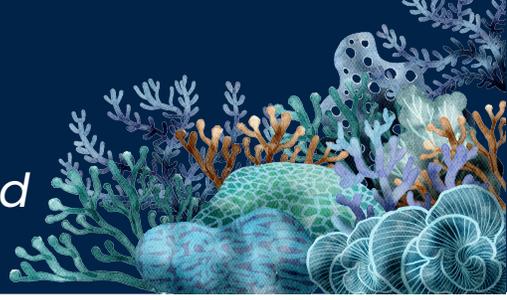




ResiliReefs

Rapid Response Labs for Threatened Coral Reefs



The Problem

Half of the world's coral reefs have died over the last 40 years, and 70–90% of reefs are projected to be gone by 2050. Home to 25% of all marine life, reefs are essential to ocean health. They generate \$36 billion USD in tourism and provide \$2 billion in damage prevention in the US alone.



Coral reefs provide protection from storms to coastal communities



The left depicts healthy coral and the right illustrates dead, bleached coral

The Current Landscape

Coral restoration today is slow, expensive, and limited in scale. High costs, long build times, and technical hurdles make land-based facilities rare, creating a clear market need for scalable solutions like ResiliReefs.

99% of Restoration is Ocean Based → 66% Success Rate → Loses \$198,000 per Hectare



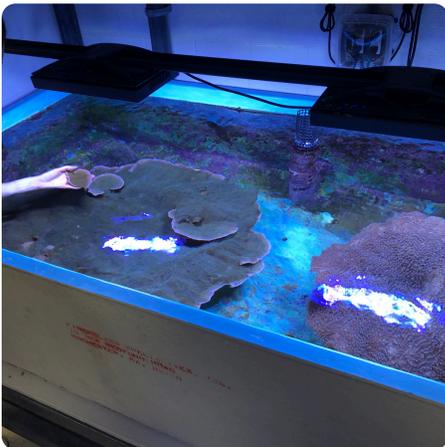
Only 1% of Projects Are Land Based → 85% Success Rate → Saves \$89,100 per Hectare



Land-Based Restoration is the Clear Winner

Our Solution

ResiliReefs provides rapidly deployable, fully equipped Mobile Coral Labs built in a shipping container that remove the barriers of cost, time, and expertise traditionally required for land-based coral restoration



By offering a **scalable, plug-and-play solution**, we allow restoration practitioners to respond quickly to reef degradation, **expand their capacity**, and **accelerate recovery efforts**. In a world where coral reefs are disappearing faster than they can be restored, ResiliReefs **delivers the speed, flexibility, and support** the restoration community needs exactly when and where it's needed most.

Research & Customer Discovery

112 Research Papers | 93 Interviews | 50 Conference Interactions | 2 Site Visits

Research Findings



High Costs

Traditional restoration facilities often demand millions in construction or retrofitting costs



Sourcing Materials

Sourcing materials for labs can take months to years



Land-Based Lab Design

Uncertainty on how to construct a land-based lab



Permitting Delays

Building permits take 1-3 years to obtain, delaying restoration



Long Build Time

Delays in time and cost hinder restoration efforts, allowing reef degradation to worsen



Our Labs Help Safeguard Biodiversity, Protect Coastlines, & Support Local Communities

Benefits We Provide



Affordability

Our labs cost 90% less than traditional land-based facilities



Prepackaged Easy Setup

Contains everything needed to start restoration



Energy Independence

Solar panels allow energy independence from unreliable power supplies



Accessibility

Built in a shipping container enabling global deployment



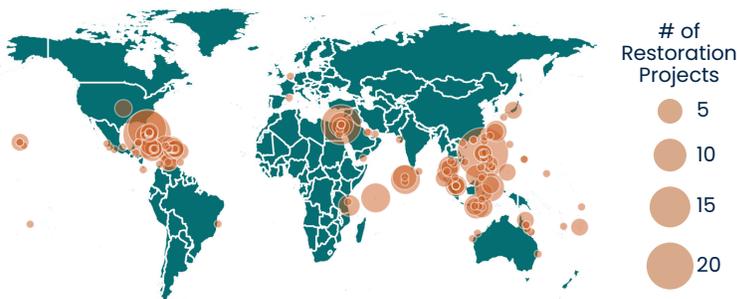
Rapid Deployment

Restoration can start almost immediately after a disturbance

Market & Growth Opportunities



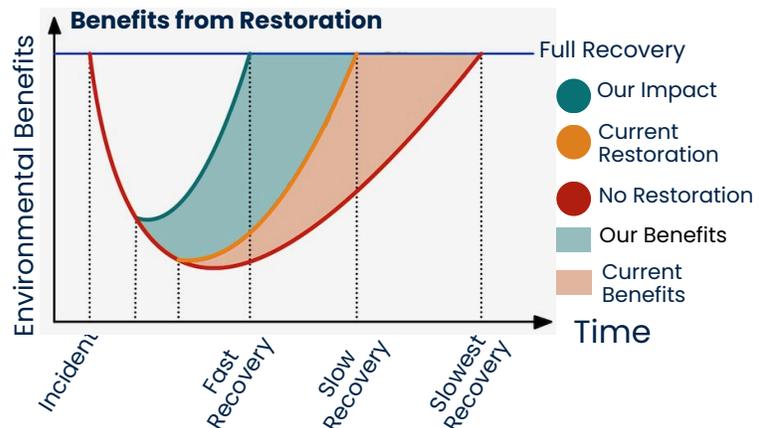
- 52,700 Aquaculture & Coastal Restoration Organizations
- 7,500 Coastal Restoration Organizations Worldwide
- 700 Coral Restoration Organizations



Competitive Advantages

- First Mobile Coral Restoration Labs to be Built at Scale
- Market Expansion to Coastal Restoration & Aquaculture
- Demand Will Increase with Climate Change

Environmental Impact



ResiliReefs' Mobile Coral Labs accelerate reef restoration by starting restoration earlier. This lowers costs and restores ecosystems quickly, supporting biodiversity and communities.

Next Steps

With ResiliReefs, Restoration Doesn't Wait

- Finalize Prototype & Begin Testing
- Secure Seed Funding
- Launch Pilot Deployments
- Refine Coral Care Guide
- Begin Customer Outreach
- Setup Supply Chain Logistics



The Team



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