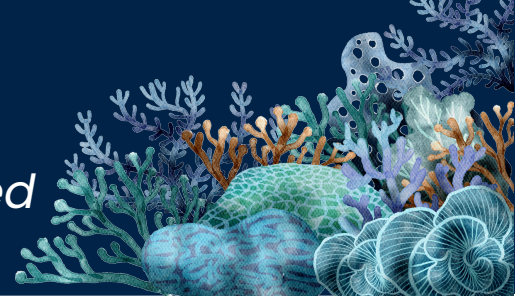




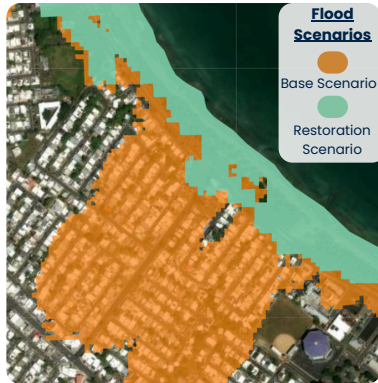
# ResiliReefs

*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



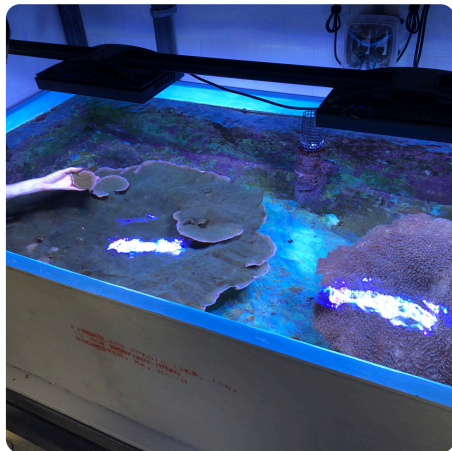
Only 1% of Projects Are Land Based → 85% Success Rate → Saves \$89,100 per Hectare



***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

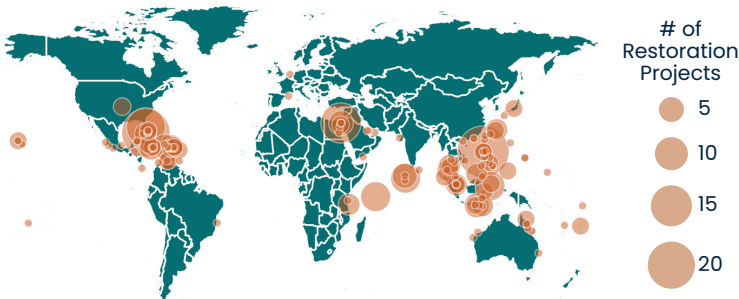
## Market & Growth Opportunities



52,700 Aquaculture & Coastal Restoration Organizations

7,500 Coastal Restoration Organizations Worldwide

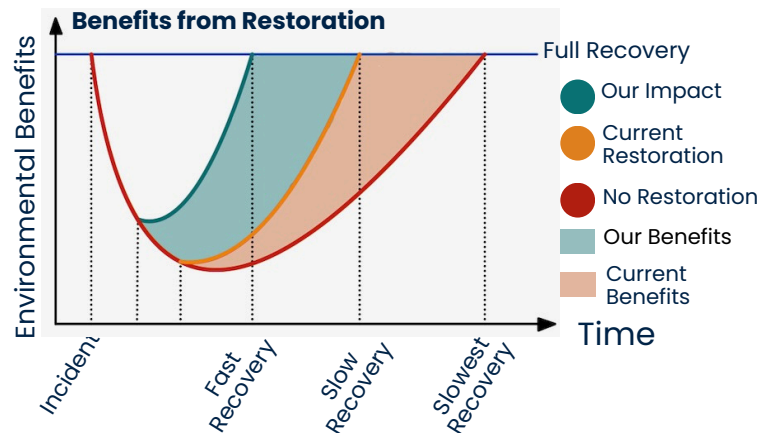
700 Coral Restoration Organizations



## 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.

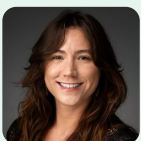
## Next Steps

### With ResiliReefs, Restoration Doesn't Wait

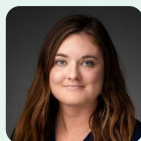
- Finalize Prototype & Begin Testing
- Secure Seed Funding
- Launch Pilot Deployments
- Refine Coral Care Guide
- Begin Customer Outreach
- Setup Supply Chain Logistics



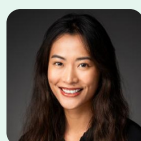
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