



IntelliReefs

Sustainable Marine Solutions

working in concert with nature to create habitat,
food, tourism, and economic prosperity.



GLOBAL
ISLAND
PARTNERSHIP

IUCN
The World Conservation Union

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

The Nature
Conservancy

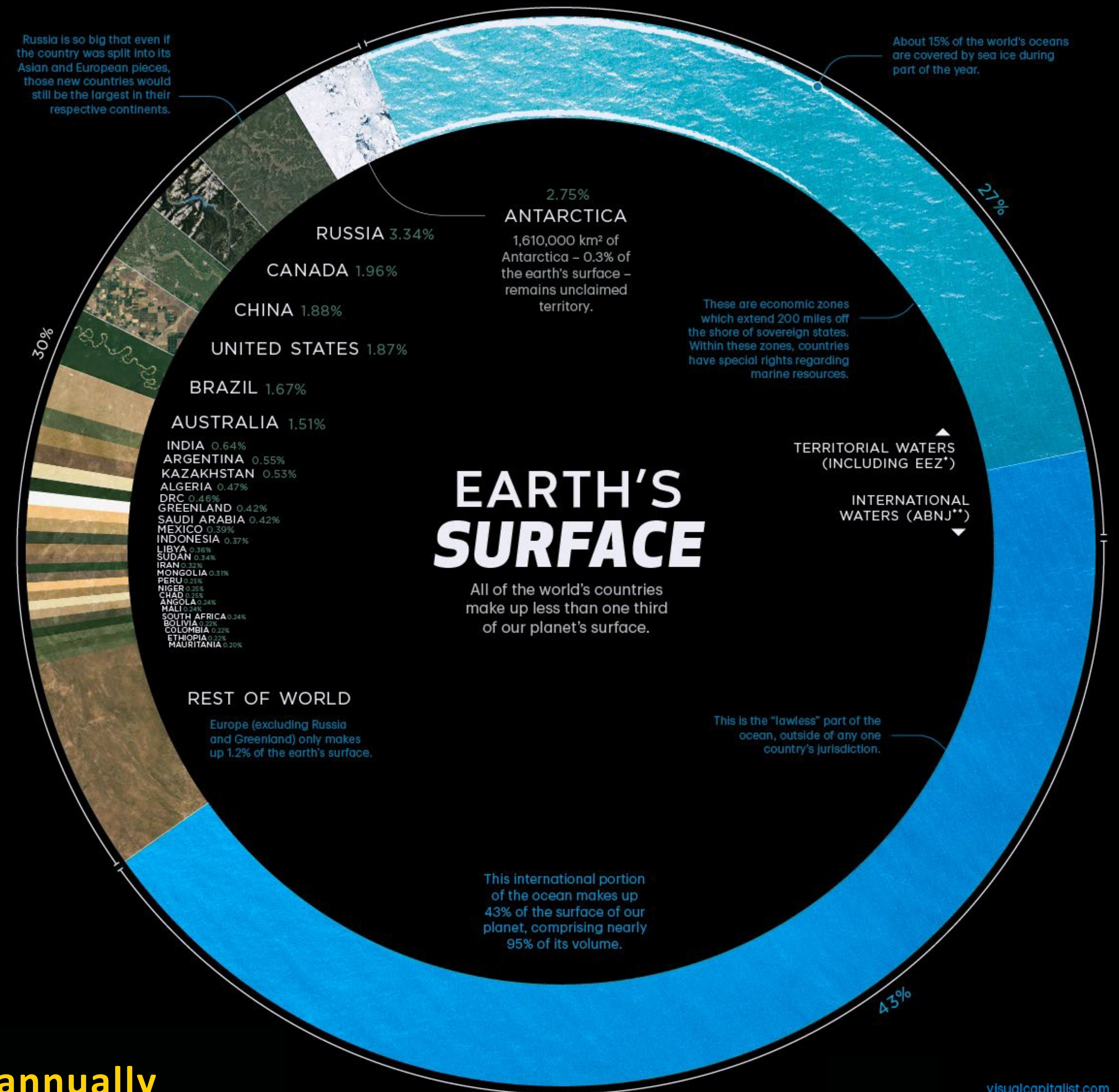


“ How inappropriate to call this planet

Earth when it is clearly Ocean ”

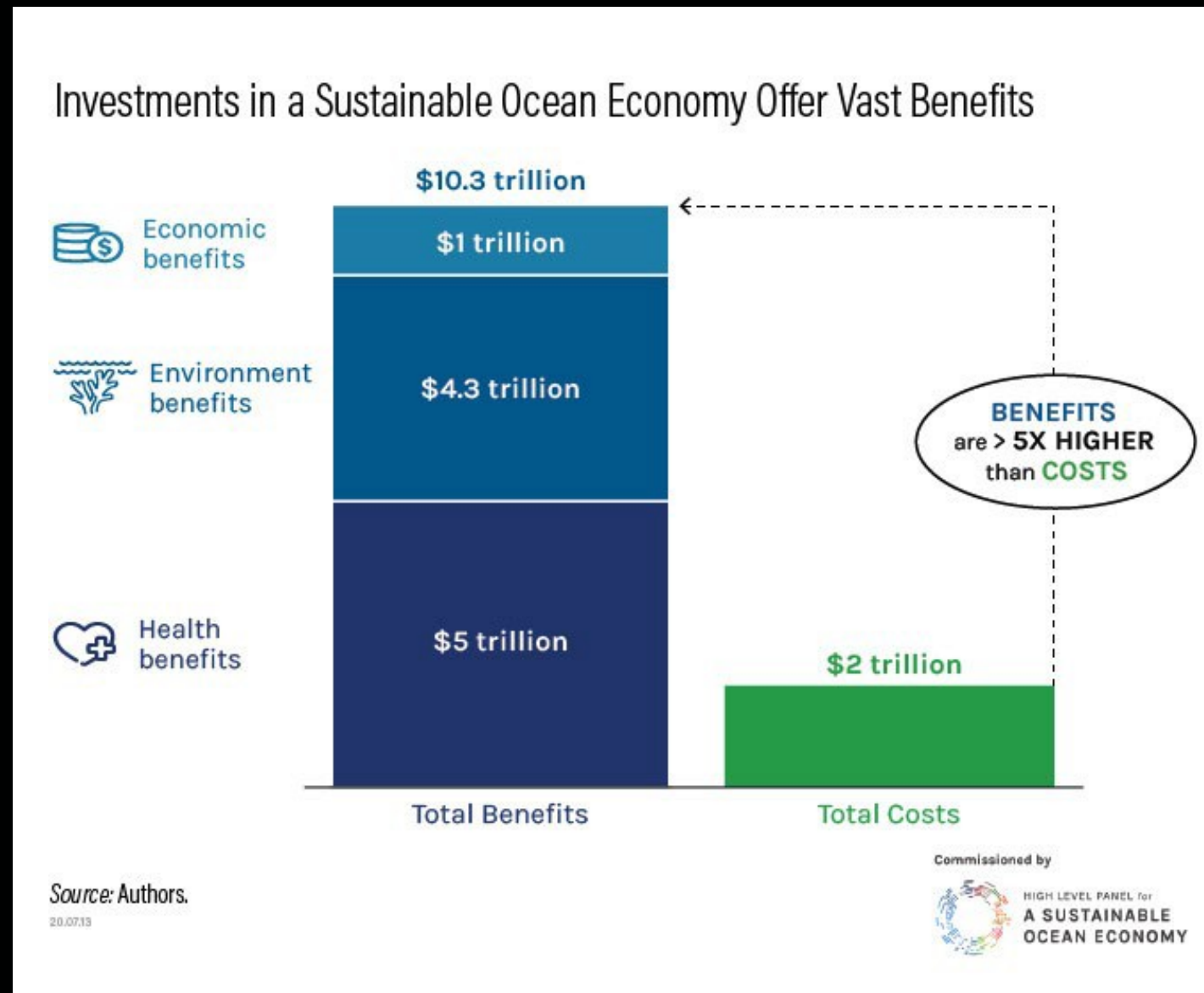
~Arthur C. Clarke

Continued ocean degradation = \$3T loss annually



Our Market

A dollar invested in the ocean will yield a minimum **\$5 return in resources**. Economic analysts report that investing \$2–\$3.7 trillion in ocean resources over the next 30 years would generate \$8.2–\$22.8 trillion in net benefits, a **450–615% return on investment rate** ([High Level Panel for Sustainable Ocean Economy](#)).



Ship Groundings

- Physical damage to reefs
- Oil spills
- Toxins leaching



The Problem

We have already lost ~50% of coral reefs worldwide.
If nothing is done, we will lose ocean viability by 2050.

Pollution + Overfishing + Climate Change
= \$375B loss annually

Coral Reefs:

- Feed 1 billion people per day
- Support 25% of all marine life
- Protect coastlines & properties
- Employ billions worldwide



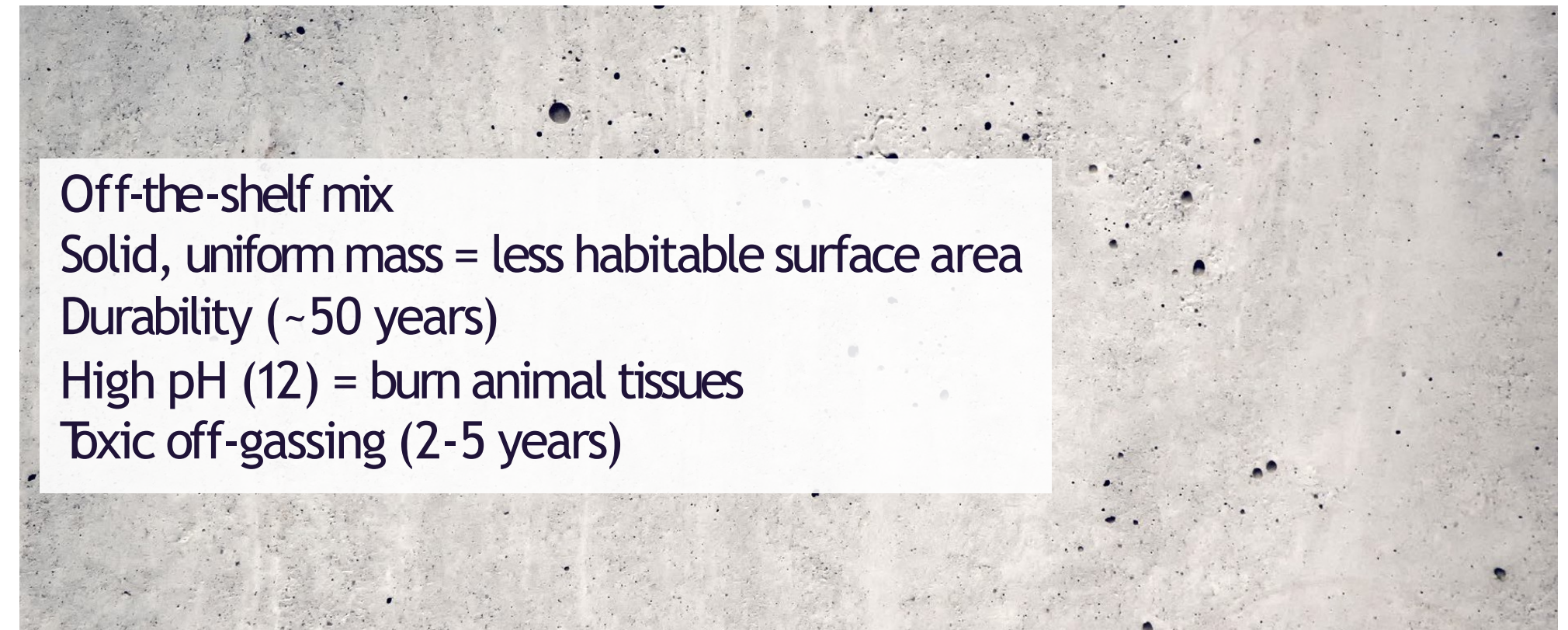
Our Solution

IntelliReefs are biomimicking, nanotech artificial reefs.

IntelliReefs' "Oceanite" Mineral Matrix



Traditional or Eco Concretes



After 14 months: **Rapid marine acceptance**



After 14 months: **Low marine acceptance**



Our Solution

IntelliReefs are coastal restoration systems made from Oceanite that provide:

1. Coastal Infrastructure & Protection

In the US alone, there was \$95B in coastal damage from storms last year.

2. Local Biological Resilience

Repairing, restoring, and expanding critical ocean habitats.

3. Aquaculture, Tourism, & Jobs

Supporting fisheries, global economies, and providing food security.



Local Benefits

While IntelliReefs are hard infrastructure, they are also a **platform for local opportunity**:

1. Eco-tourism services

Coral gardening experiences, snorkeling tours, yacht and large vessel mooring

2. Fisheries & Aquaculture

Opportunity to grow and harvest global market products & resources. Aquaculture is worth \$230B globally, with >5% YOY growth.

3. Scientific Monitoring

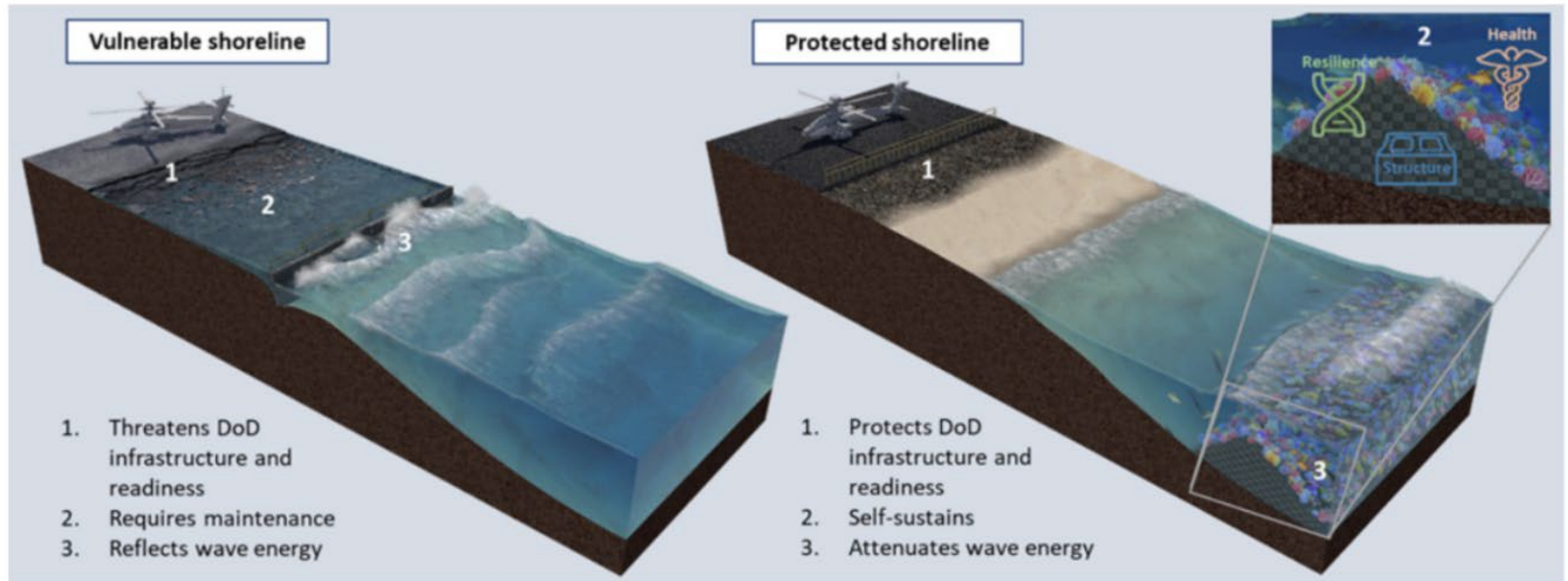
Ongoing monitoring, research, and outreach provides education for local youth, fosters ongoing community engagement, and ocean stewardship.



Won 2020 Award for Sustainable Tourism



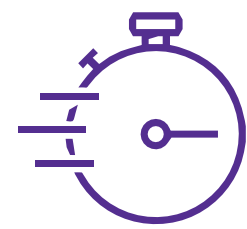
Scaling Up to Protect Coastlines



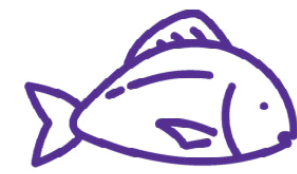
Flagship Project Success

November 2018: deployed IntelliReefs in Philipsburg, Sint Maarten.

- enhanced biodiversity & coral settlement
- feed fish every 15 seconds
- rapidly accumulated coral community
- collaborative, ocean-forward partnerships and research projects
- dive site creation for ecotourism



Rapid Animal
Settlement



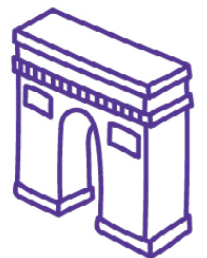
Increase
Fish Stocks



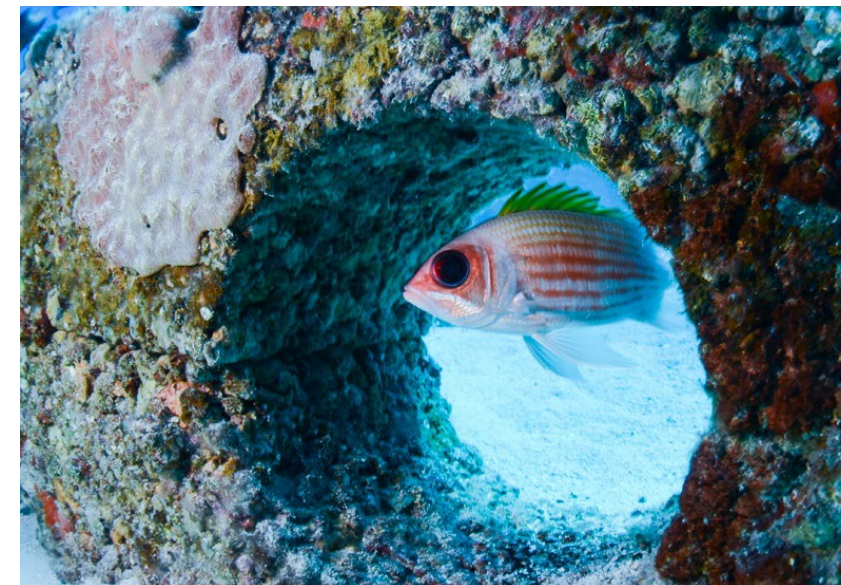
Enhance
Biodiversity



Attract
Wild Coral



Scalability
&
Durability





REEF LIFE FOUNDATION

Real World Work for the Ocean & Coastal Communities

Reef Life Foundation conducts direct coral restoration with IntelliReefs and as a member of [Global Islands Partnership \(GLISPA\)](#) and global conservation panels and entities.

Reef Life is currently fundraising for the production of an [educational coral cartoon series](#) and companion school curriculum with [Studio Pigeon](#) to inspire the next generation of coral reef guardians. It will serve as an immersive and entertaining experience that explores coral reefs and why they are worth saving.

They are also working with [Cyan Planet](#) to produce the [world's first coral city building video game](#). The game will consist of a web-based game and app that will allow patrons to build an ocean oasis for coral reef species. Funds generated from the game will deploy a REAL LIFE model of the city out of IntelliReefs nanotechnology to house the ocean's homeless.

Reef Life's Success in Sint Maarten



www.reeflifefoundation.org/donate



Global Launch

Bidding on global projects
in 5 major regions

Strategic global manufacturing
plant network



[Dive on ReefShip](#)

How You Can Help

1. Donate to Reef Life Foundation

to build coral gardens and boost biodiversity on damaged reefs

2. Help deliver IntelliReefs

to coastlines around the world

3. Use ReefShips to mitigate damage

to reefs and coastal properties



CEO & Co-Founder:

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www.intellireefs.com



Business Stage:

Early Stage Venture (Post-Prototype/
Pre-Revenue)

Business Categories:

B2B, B2B2C, B2G, B2C

Business Types:

Nanotechnology, Ocean Infrastructure,
Manufacturing, Blue Economy

Sector:

Ocean, Clean Tech, Environmental
Infrastructure as a Service (ElaaS)

Company Description:

We develop biomimicking nanotech
artificial reef systems to revolutionize
marine restoration and ocean
infrastructure.

Team:

Material Scientists, Marine
Biologists, Architects, Business &
Project Management Experts

Intelligently

collaborating with the ocean to create habitat,
food, tourism, and economic prosperity.

Appendices

IntelliReefs Market Strategy



**Mesoamerica,
Florida, Caribbean**
\$6.2 Billion



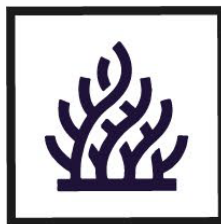
**South African
Indian Ocean**
\$1.8 Billion



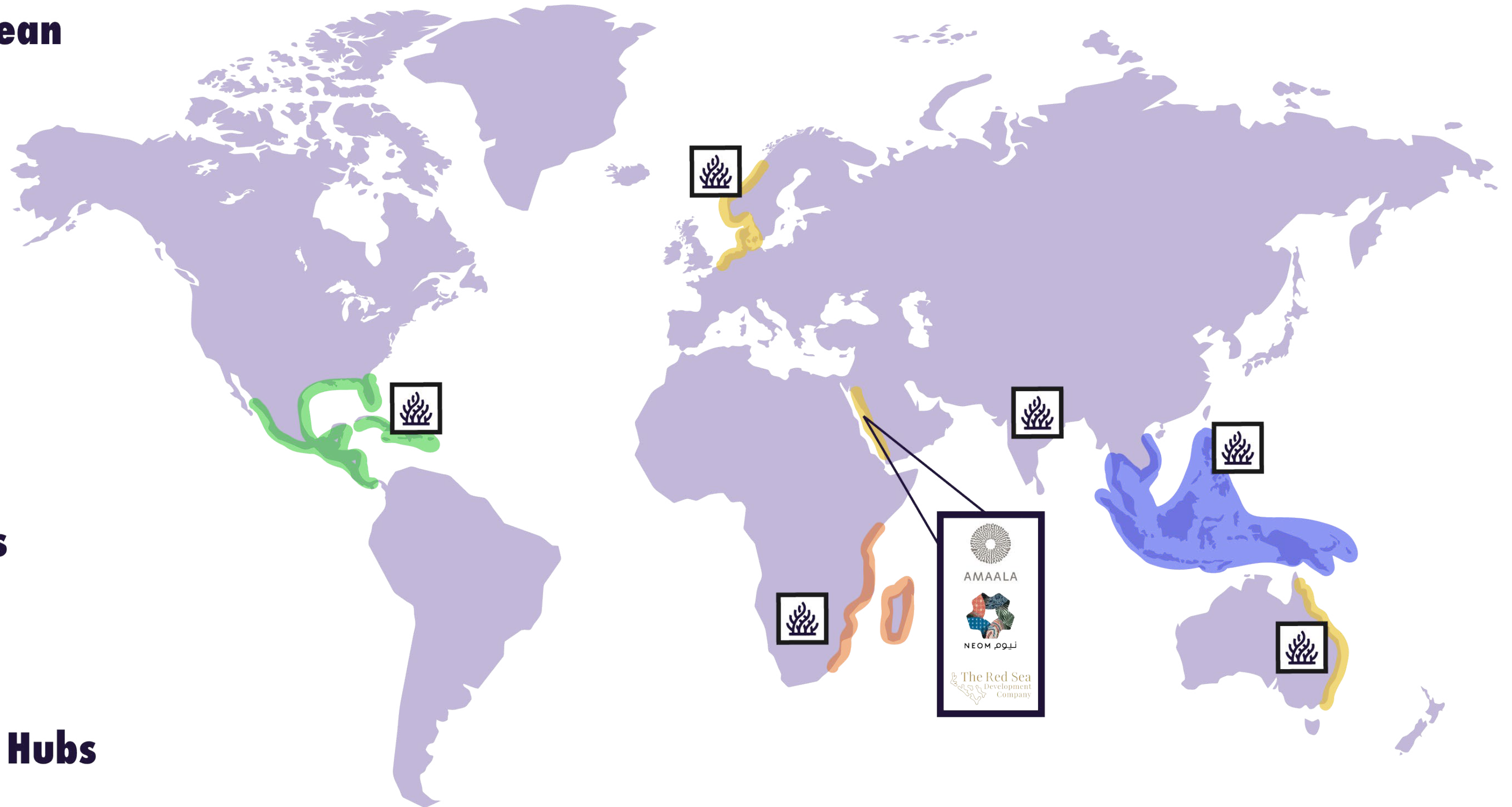
Coral Triangle
\$13.9 Billion



**Other Contracts
in Pipeline**
\$2 Trillion +



Manufacturing Hubs



****Market values are estimated for the UN Decade of Ocean Science (2021-2030)**

Custom Dive Reefs for Resorts & Ecotourism



AMAALA



[IntelliReefs Dive Videos](#)