

Growing reefs

*Developing coastal tourism -
keeping the balance*



The approach - Biorock[®] technology

Coral reefs are the most imperiled ecosystem, with accelerating mortality from globally increasing temperature, disease, and pollution. This threatens fisheries, tourism, shore protection, and biodiversity in over 100 countries.

Biorock[®] installations worldwide have demonstrated rapid coral growth and proliferation even in stressed environments where natural regeneration does not occur due to the widespread degeneration of reefs.



This novel technology applies safe, low powered electrical current to specially designed, submerged metal structures to stimulate the growth of solid limestone-coatings. Corals, transplanted onto these artificial reef units show greatly increased rates of growth and survival - even under adverse environmental conditions.

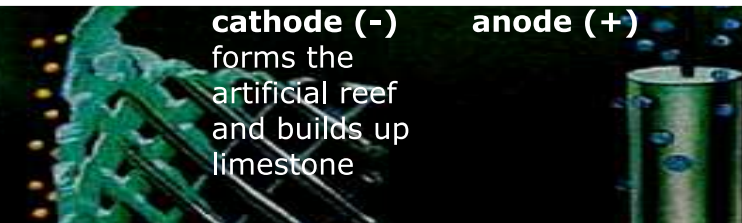


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Global Coral Reef Alliance

Dedicated to the Growth and Management of Coral Reefs Around the World

www.globalcoral.org



cathode (-)
forms the
artificial reef
and builds up
limestone

anode (+)





We offer:

1. Flourishing Sea Life

Biorock[®] technology has proven to be a cost-effective way to increase coral resistance to bleaching* and disease while protecting valuable sand beaches from erosion and attracting fishes by providing sheltered habitat.

*As evidence, 80 percent of Biorock[®] corals survived a 1998 warming event in the Maldives, while more than 95 percent of the natural reef corals in the same area perished.



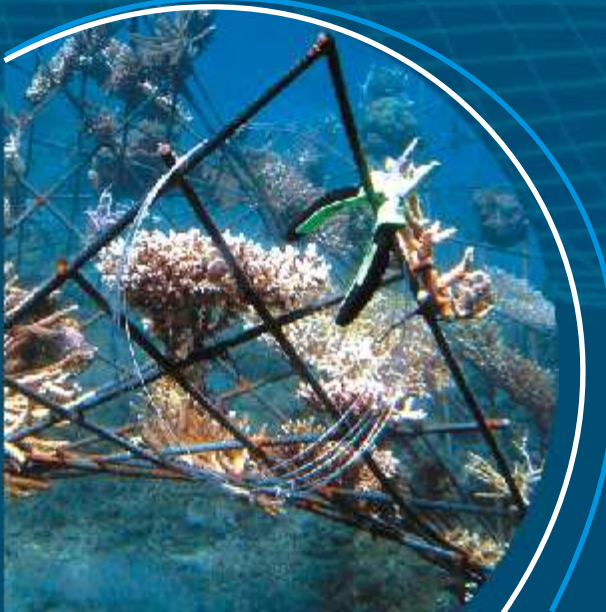
2. Unique Tourist Attractions

These rehabilitation platforms for corals can be designed in almost any shape and as such are ideally suited for the development of high quality tourist attractions. Carefully adapted to the natural environment, additional elements like underwater nature trails, can contribute significantly to the creation of a unique underwater experience.

3. Competent Management

In addition to project conceptualisation, design and implementation our service comprises:

- Project management and stakeholder consultations
- Photo documentation for media broadcasts and public relations
- Establishing a framework for monitoring and evaluating success of the operation





Awards and recognition received by Biorock projects (selection)

May 2002, National Coastal Zone Management Conference on Bali, selects a Biorock project as the "best coastal project in the country".

Nov. 2002 winner of SKAL International's "Ecotourism Award" for best practices in coastal tourism.

May 2004 winner of „Kalpataru/Adipura Award“ presented by the President of Indonesia.

Jan. 2005 winner of "Aseanta's Award for Excellence" for best conservation effort.

April 2005 winner of PATA's "Gold Award for Best Environmental Project".

2006 winner top award IDEAS MIT.



Organisation

Our team unites practiced specialists, who have been working with local communities, foundations, universities and private institutions to identify and promote measures to remedy the deterioration of coastal zones.

Global Coral Reef Alliance

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The Global Coral Reef Alliance (GCRA) is a 501(c)(3) non-profit organization.

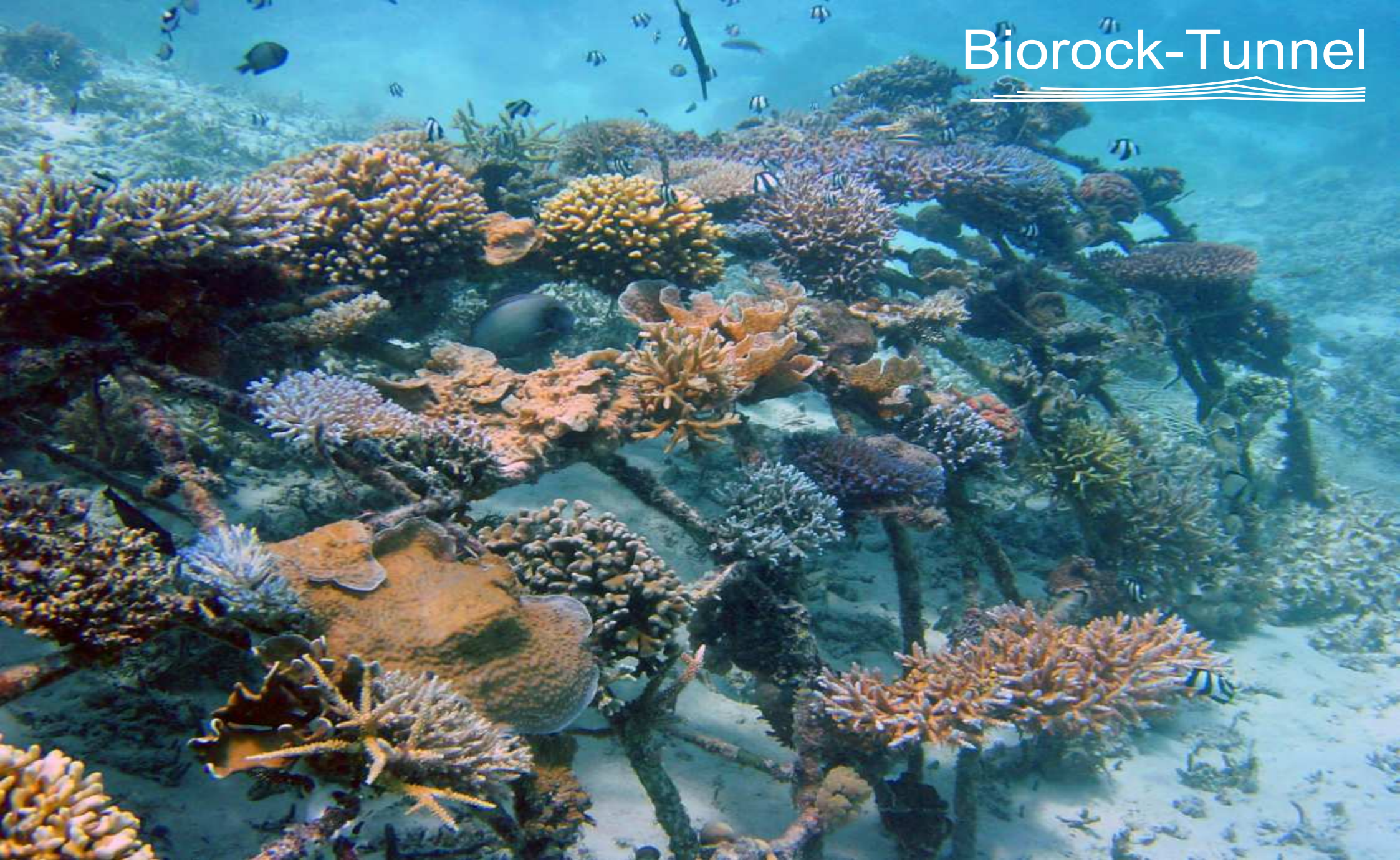


Designs

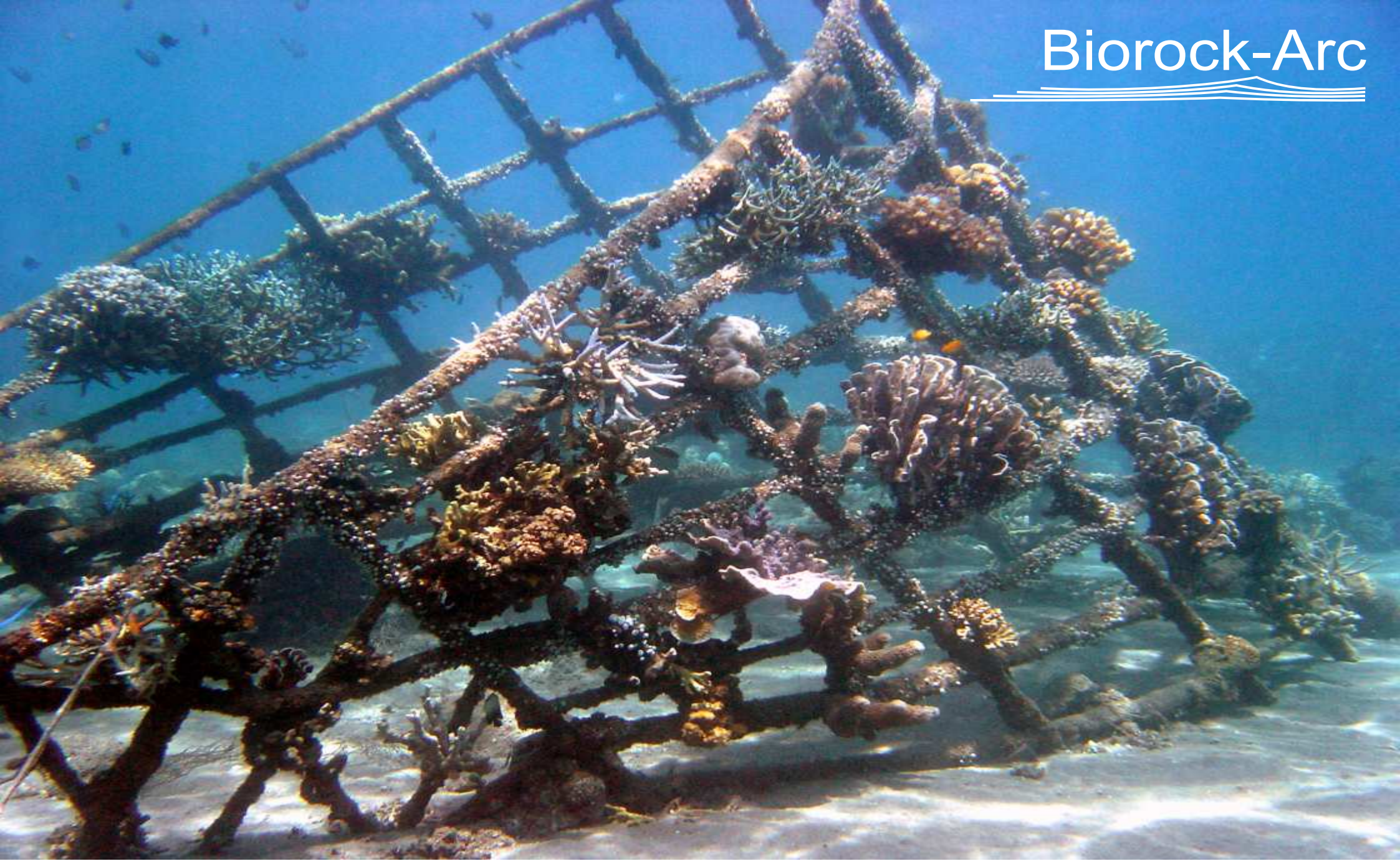
In addition to designing and producing custom made reef units according to individual wishes, we offer a range of standardized solutions for building Biorock reefs. The next pages present a selection of different models.



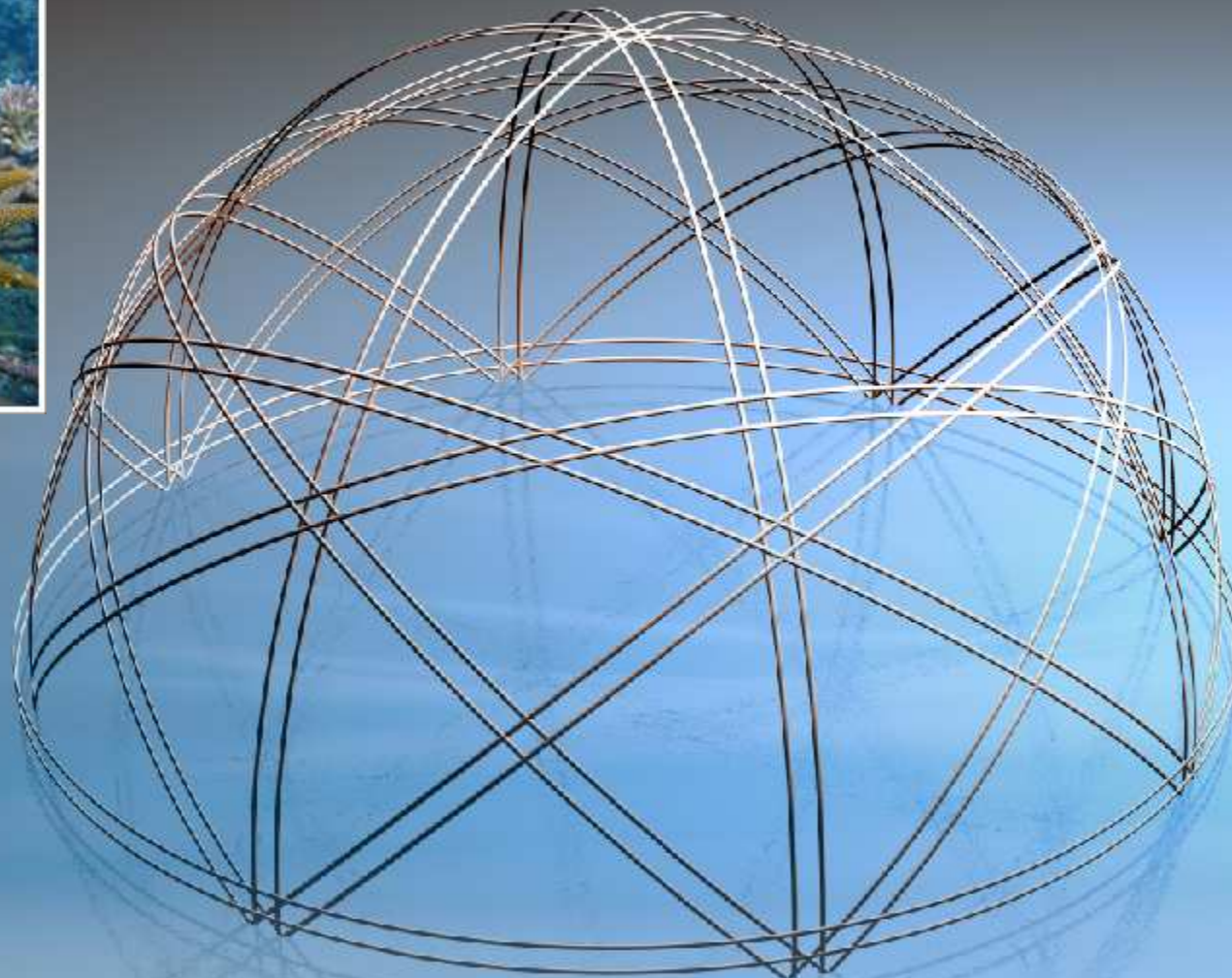
Biorock-Tunnel



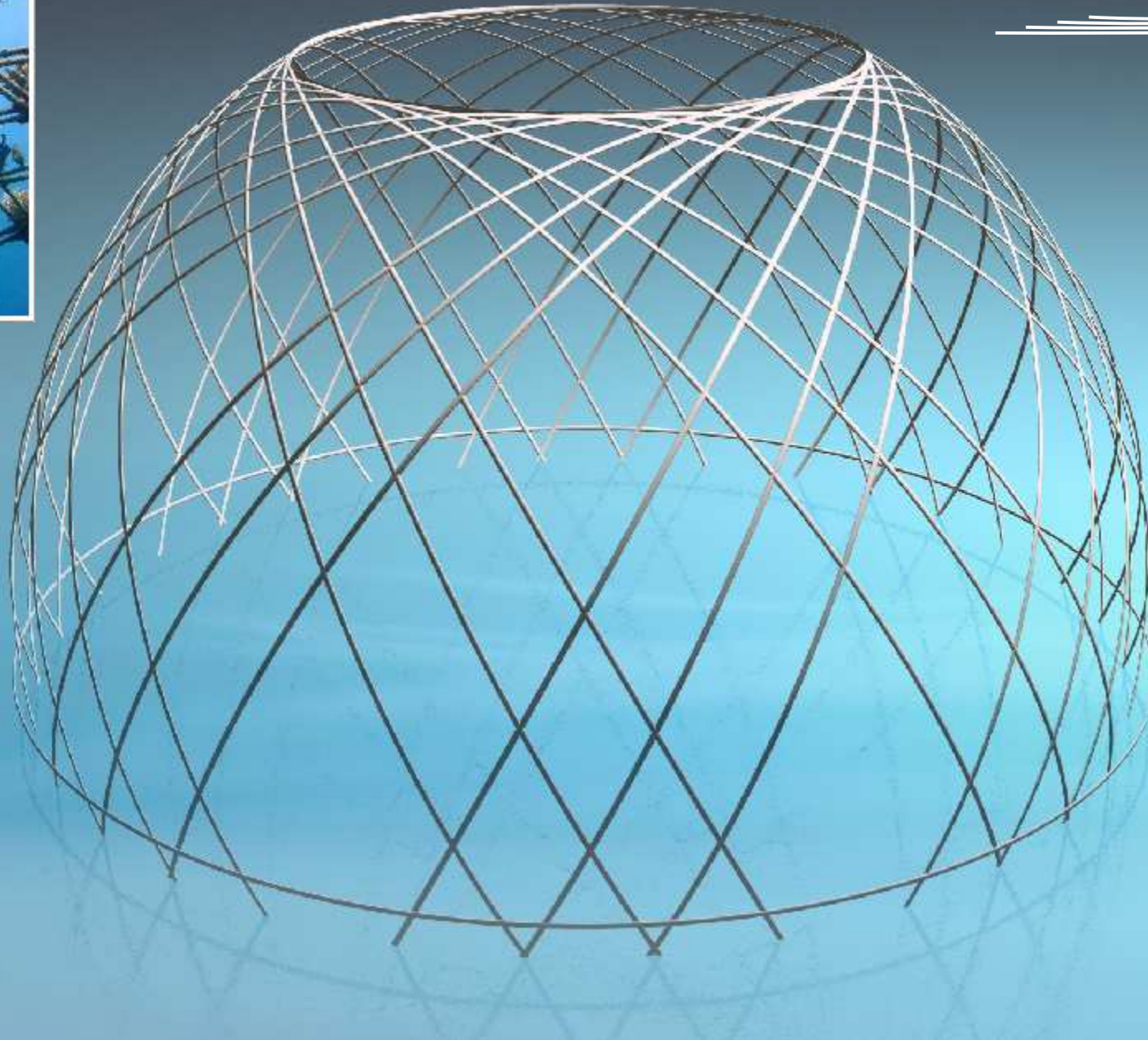
Biorock-Arc



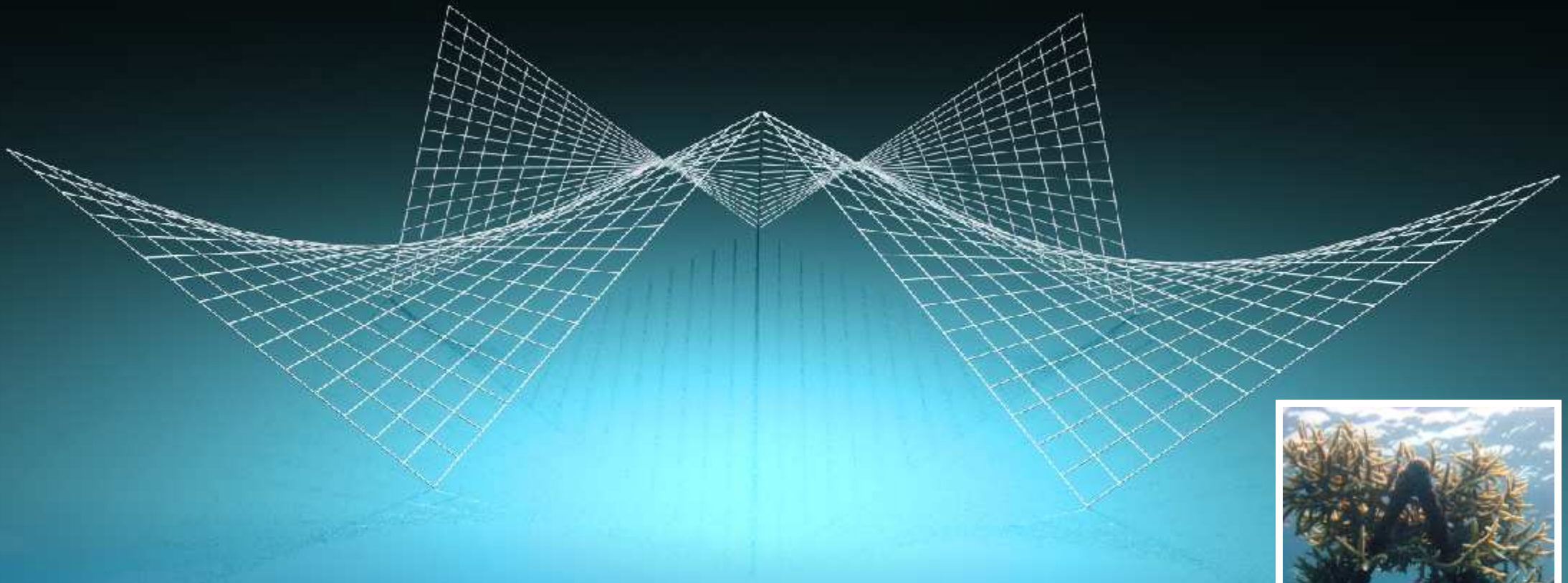
Biorock-Dome



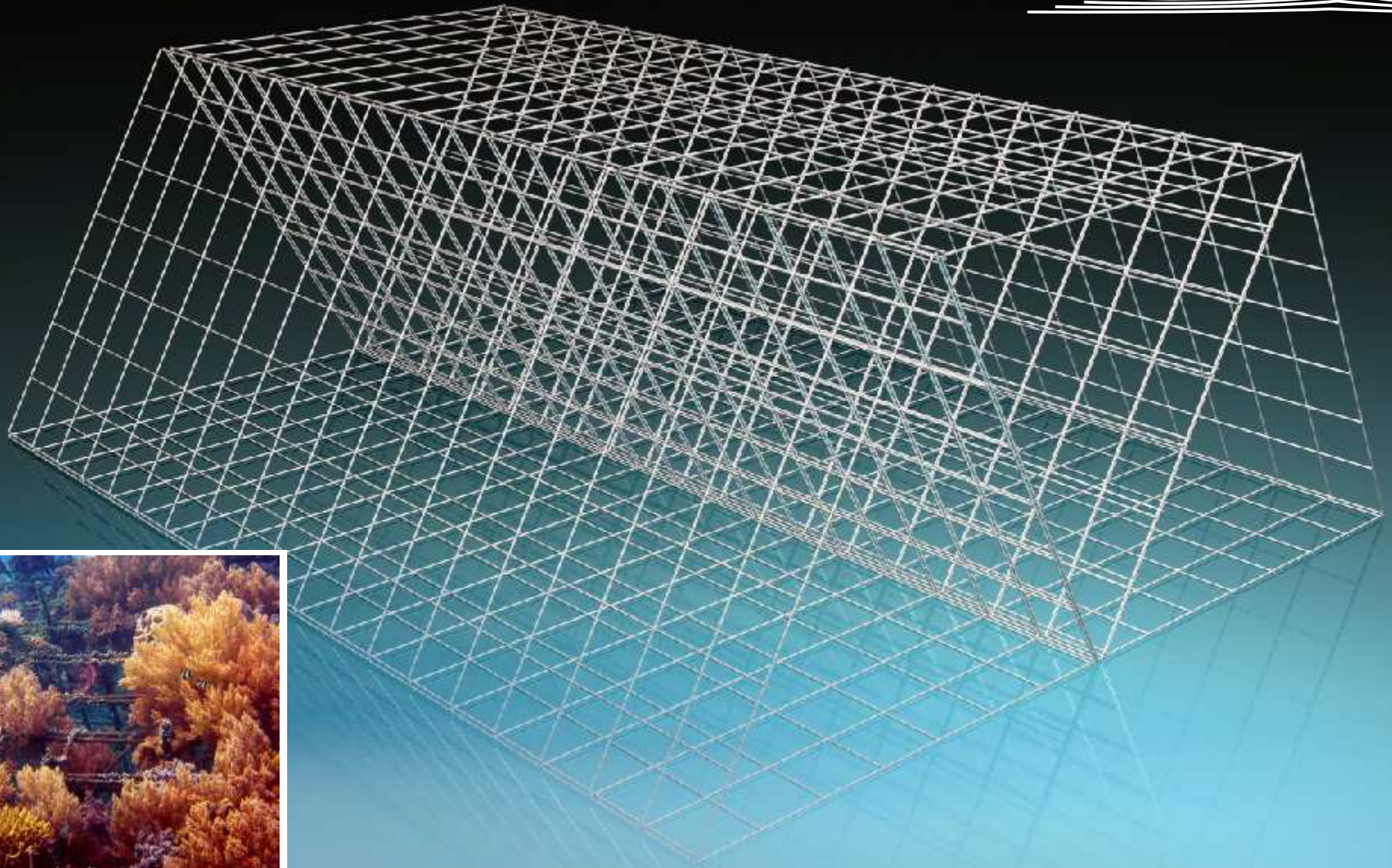
Biorock-Cupola



Biorock-Wing



Biorock-Breakwater



Casita Cálcida

