



seabreath®
wave energy

Seabreath llc

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Problem

The environmental impact is severe, with fossil fuel use driving climate change and air pollution, threatening ecosystems and public health

Furthermore, the unequal distribution of fossil fuel resources creates disparities in energy access for developing nations

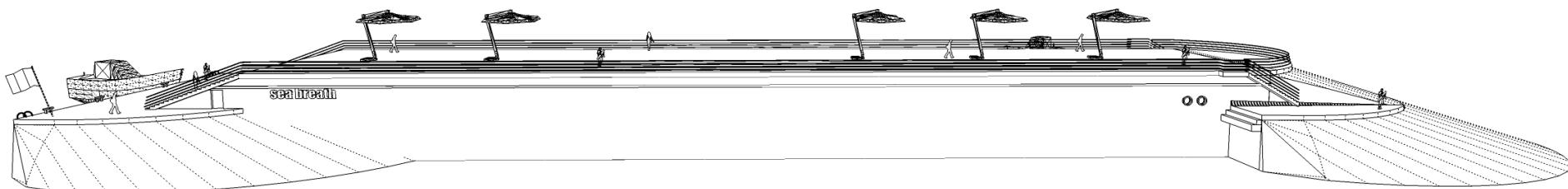
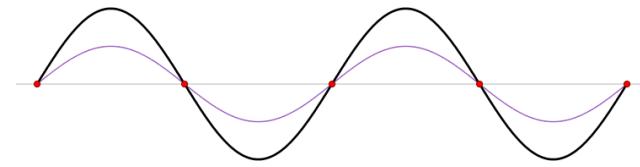
Wave energy represents a massive untapped renewable resource. Unlike solar/wind, waves are predictable and consistent. Seabreath has cracked cost-effective, durable wave energy conversion, this could be transformative for coastal communities, islands, and offshore operations. The technology could provide baseload renewable power where traditional renewables struggle





Solution

- Wave energy holds immense potential as a renewable resource: clean electricity without greenhouse gas emissions or air pollution
- Seabreath Wave Energy is a new, high-efficiency floating modular multi-chamber OWC wave energy converter made also with recycled containers, which serve both for shipping and as an oscillation chamber
- It also works as a break-water



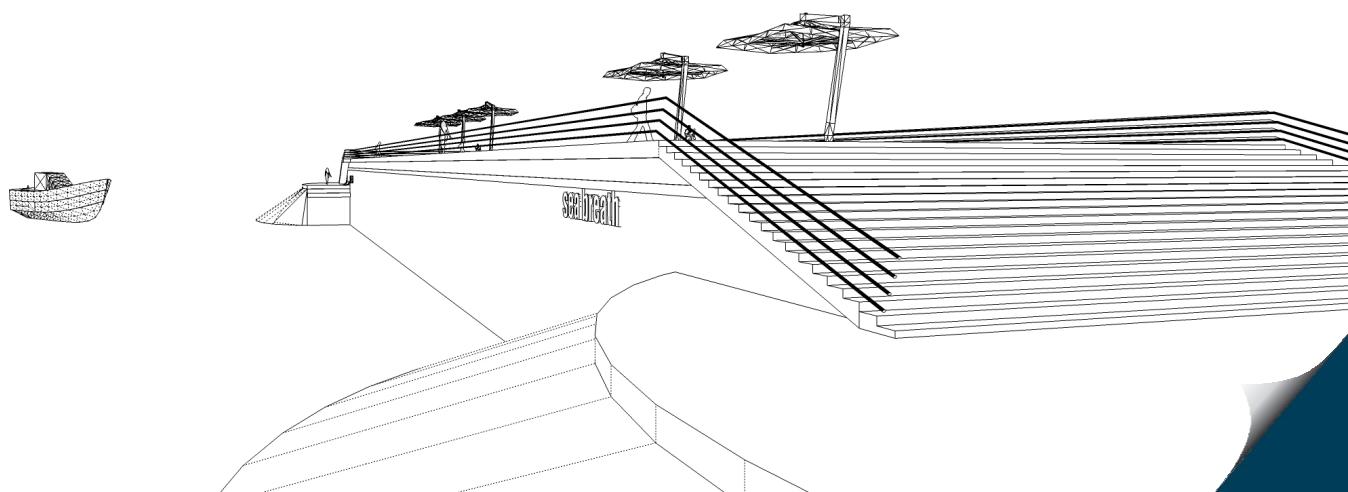
Why Now?

- Growing concerns about climate change and energy security are driving a significant increase in demand for clean and renewable energy sources
- Wave energy, with its vast potential and predictable power generation, is attracting considerable interest from governments and energy companies



Market Size

- The market is expected to reach USD 233.2 million, growing at a CAGR of 16.9% (SkyQuest Technology).
- Seabreath can benefit from a huge market not yet occupied by virtually anyone. For example, the potential market for the wave energy has been estimated at 80,000 TWh/yr

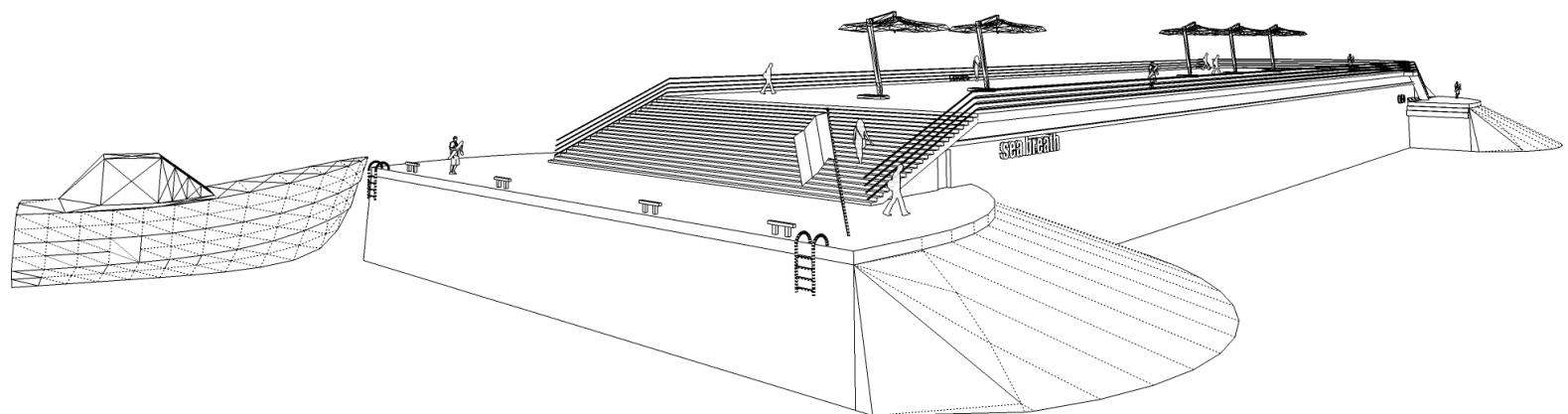


Competitors

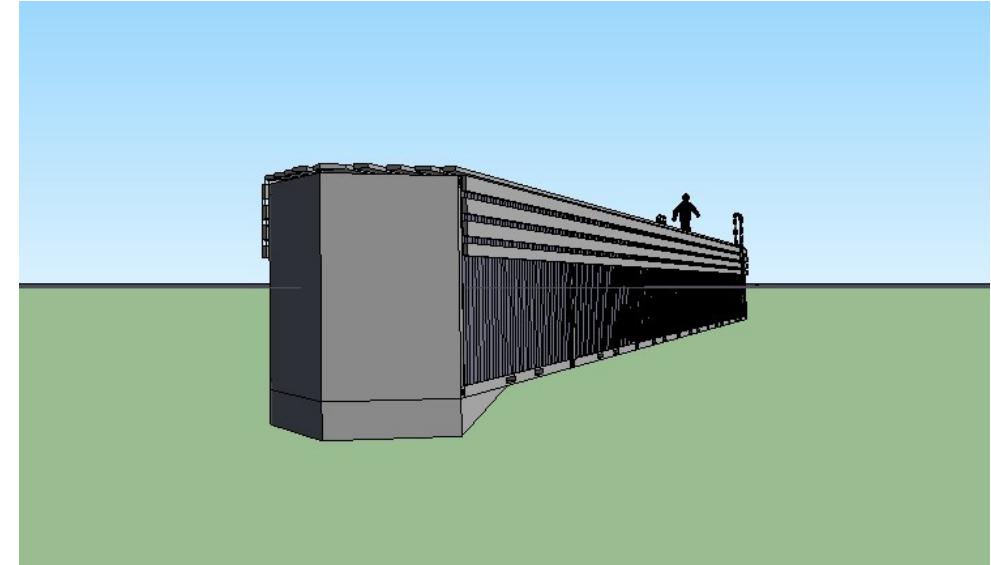
Current other wave energy solutions remain commercially uncompetitive. They can be up to five times more expensive than other energy sources and require more maintenance, leading to higher risks

Seabreath wave energy is the **first wave motion technology that is competitive with other renewable sources** with about **double efficiency** compared to other Oscillating Water Column technologies with very low costs

The leading companies in wave energy are: Oceanlix, OceanEnergy, CorpowersOcean, SinnPower and Seabased



Advantages

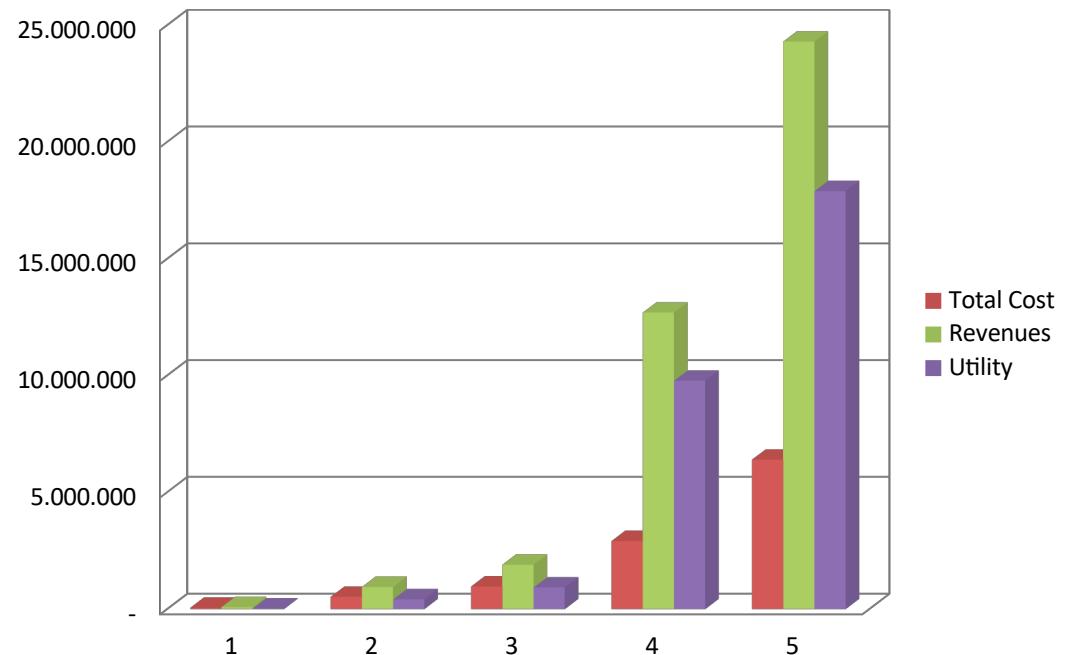
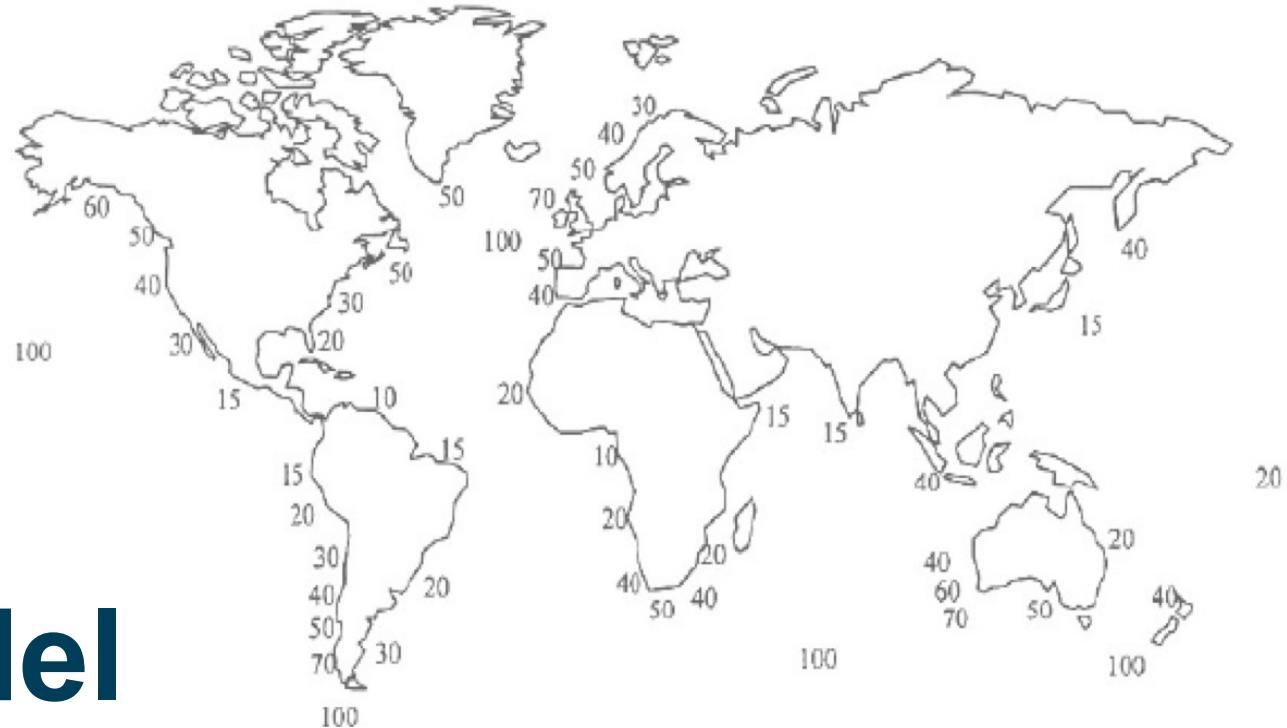


- High resistance to adverse conditions
- High efficiency
- Break-water function
- Creation of usable space
- Low environmental impact (recycled materials, promote coastal health and marine life low noise as a breath)
- Modular system with low production, transport and installation costs



Business Model

- Develop and commercialize wave energy conversion technology
- Collaborate with strategic partners to accelerate growth, production and commercialization
- Build a reputation for reliability and innovation
- also with our other solution in marine field

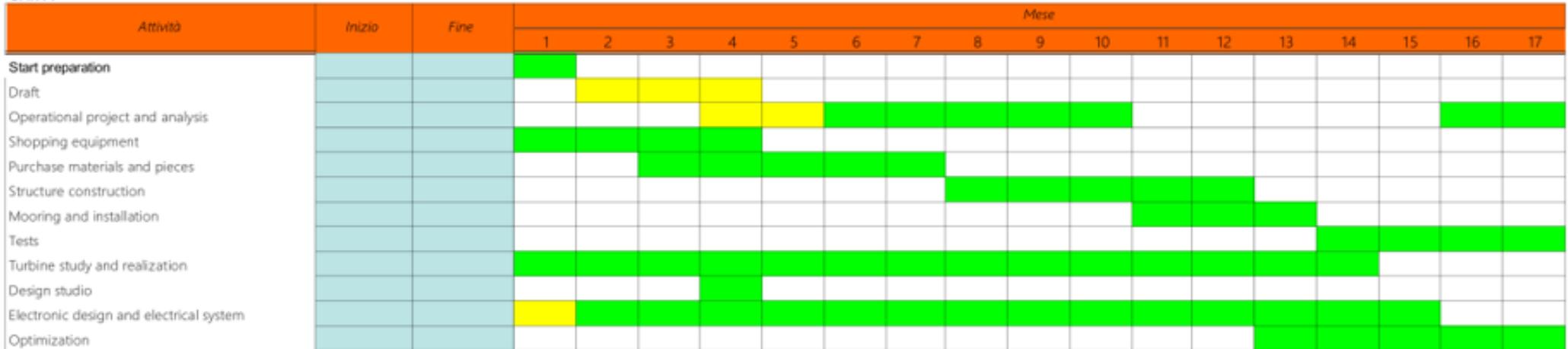


Team

-  **doctor in economics and trade** - inventor of the device: general management and designing
-  **mechanical engineer** - inventor, scientist: design and technical direction
-  **naval engineer** - designer, tester: designing
-  **industrial engineer** - expert in green economy: research materials, market and logistics
-  **electronic engineer** - electrical an electronic design
-  **designer** - graphic and industrial design
-  **specialized technicians** - support for technical realizations
-  **collaborations**
 - design company of special marine constructions, an electronics department of an university, a company that produces electronic devices for the marine industry, a metalworking construction company and a company that produces printed turbines**

Roadmap

GANTT



prizes and awards



Secondo classificato
Concorso di idee:
“Le energie rinnovabili per le isole minori
e le aree marine protette italiane”
Edizione 2011
Presentato da UNIPR come E-Pier installazione
isola della Palmaria (SP)



Confidential negotiations

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Thank you...