



BioFishency
AQUACULTURE TECHNOLOGY

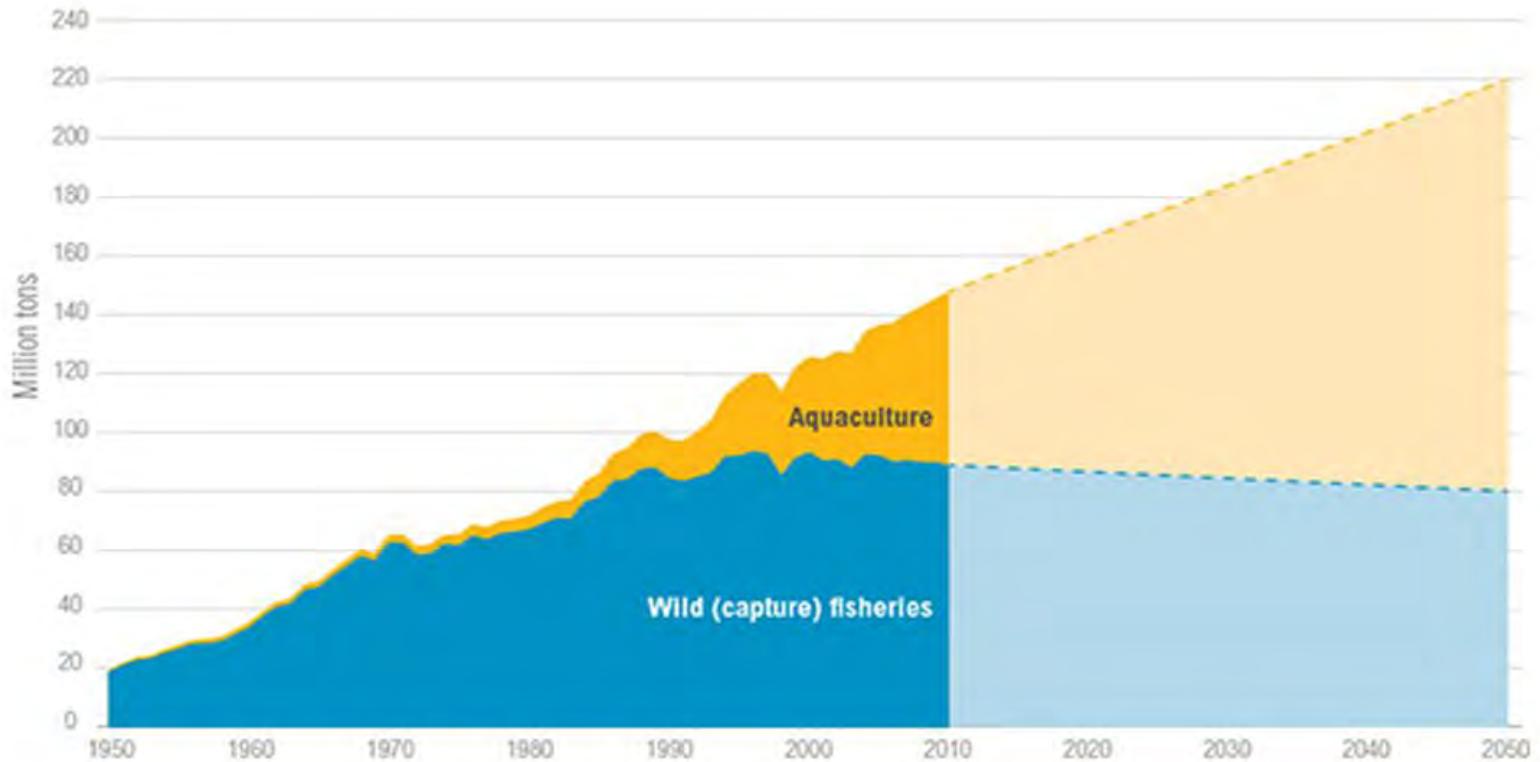
Water Treatment for Efficient Aquaculture

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Aquaculture: Growing to Meet Demand

Aquaculture Is Expanding to Meet World Fish Demand



See www.wri.org/publication/improving-aquaculture for full paper.



 WORLD RESOURCES INSTITUTE

The Aquaculture Challenge

- Land availability is very limited
- Water shortage requires reducing water use
- Water quality impacts on production capability

BioFishency addresses the challenge

Existing Aquaculture Systems

	Extensive (Ponds)	Intensive (Tanks)
		
Area Use	Large	Small
Water Use	Medium to High	High
Challenges	Increase production + Reduce water use	

We developed a highly efficient, easy to use, affordable system that will enable farmers around to world to grow more fish using less water in the same infrastructures.

BioFishency Technology

All-in-one water treatment system

- Removes solids - mechanical filter
- Reduces CO₂ / increases O₂ - aeration
- Removes ammonia - proprietary biological filter



Improves water conditions



Increases fish production

Reduces water use through water recycling



Multiple Benefits

- Plug & play - easy set-up
- Suitable for different water salinities and for fish or shrimp
- Upgrade existing or new facilities
- Low cost – even for limited budgets
- Low maintenance
- Small footprint



System Sales: Israel



Extensive ponds
Increased yield
by **50%**

System Sales: Israel



Intensive Tanks

- Reduced water use by **90%**
- Increased yield by **50%**

System Sales: Israel



Shrimp hatchery



Ornamental fish

Project Sales Around the World

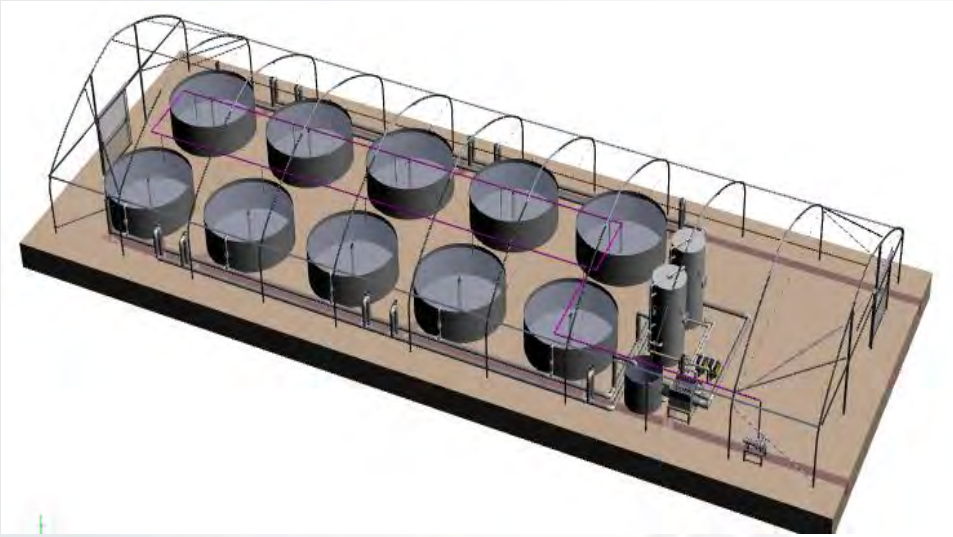


Turnkey Project North
India – Barramundi



Turnkey Project
Bangladesh – Catfish

Project Sales Around the World



**Turnkey Project Congo –
African Catfish**



**Turnkey Project
Iraq – Carp**

Worldwide Freshwater Aquaculture Production

2011	Production Ton/ Year	Market share (%)	Number of ponds
China	24,785,076	63.56%	3,670,000
India	4,439,956	11.39%	
Vietnam	2,074,500	5.32%	
Indonesia	1,720,389	4.41%	
Bangladesh	1,378,688	3.54%	
Myanmar	760,939	1.95%	
Brazil	545,298	1.40%	56,000
Thailand	338,800	0.87%	
Philippines	306,932	0.79%	
Nigeria	221,128	0.57%	22,000
Egypt	170,937	0.44%	
Pakistan	141,830	0.36%	
Taiwan Province of China	141,610	0.36%	

Eight Provinces = 68.5% of China's Freshwater Aquaculture



IP

Patent National Phase application submitted in

- Israel
- USA
- Europe
- China
- Philippines
- India
- Vietnam



Funding for Growth

Raising \$4 million to

- Advance marketing and sales
- Develop new products
- Register patents



BioFishency
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