NANOBEST

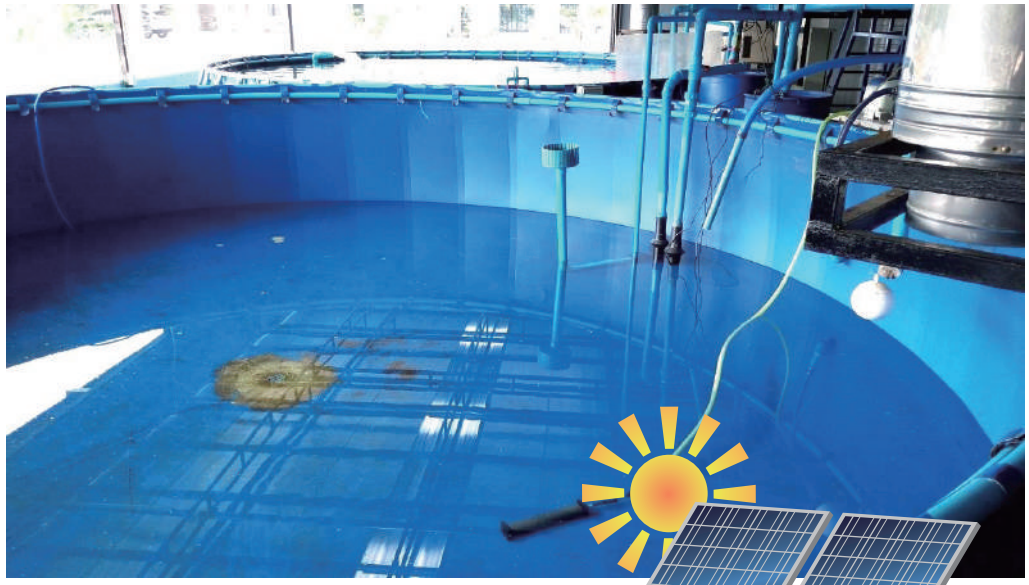
# Creating a Recirculating Ecosystem for Inshore Aquaculture

NANOBEST JAPAN Co.,Ltd.

nanobubbles

photocatalyst

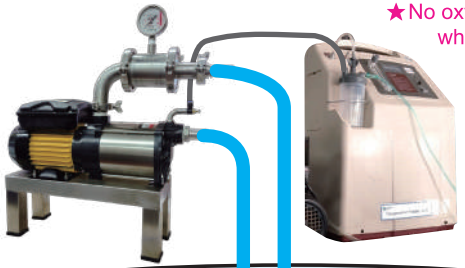
useful microorganism



↓Nanobubble Generator

↓Oxygen generator (oxygen inhaler)

★No oxygen cylinders are used, which significantly reduces costs.



Solar panels provide electricity to promote sustainability, safety, and reduce costs associated with energy use.

**Microbial filtration Nitrification (removal of nitrates)**

It decomposes ammonia and nitrite and reduces substances harmful to microorganisms present in the water.

LED

**Photocatalytic Sponge Filter**

The combination of photocatalyst and nano-size high oxygen provides powerful power.

※Photocatalysts react to light (visible light/sunlight) to decompose organic substances.

Growth promotion / Mortality reduction
Purification of water quality/prevention of disease outbreaks
Activation of microorganisms
Prevention of acid deprivation
(microorganisms also consume oxygen)

**Aeration and ph adjustment**

Adjustments to remove CO and maintain water quality conditions suitable for aquaculture

**Remove feces, food, and other solids**

It is a group of useful microorganisms born on a completely organic farm.


**Aquaculture of underwater microorganisms**

Useful microorganisms take up organic matter in the water and break it down.

The microorganisms are more active when used in combination with nanobubbles, further increasing treatment capacity.


Organic certifications obtained by the farm

America/Germany/Eurozone/Canada/Thailand/Japan