



# AQUATIC MANAGEMENT

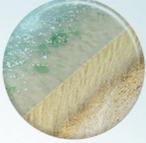
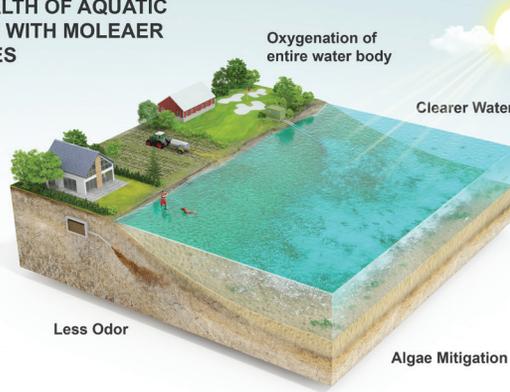
## Nanobubble Solutions to Improve Lake & Pond Water Quality

Moleaer nanobubble generators provide a chemical free solution to treat lakes and ponds to restore ecosystem health and improve water quality. Nanobubbles can reduce algae and algae toxins, increase water clarity, reduce odors and off taste, improve sediment layer, and improve fish and aquatic ecosystem health. Moleaer has successfully treated >120 lakes and ponds around the globe.

IMPROVE HEALTH OF AQUATIC ECOSYSTEMS WITH MOLEAER NANOBUBBLES



Shore-mounted / Plug & Play



Muck reduction



Healthy Fish

### Benefits of Nanobubbles



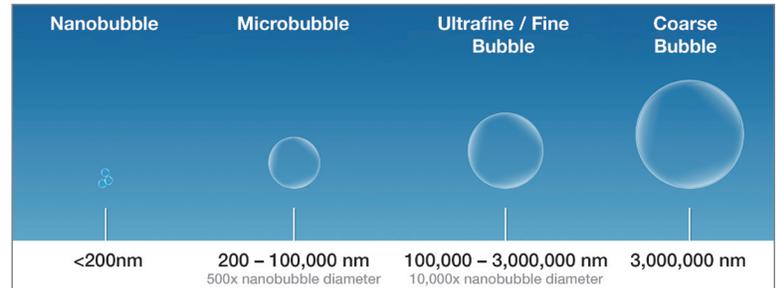
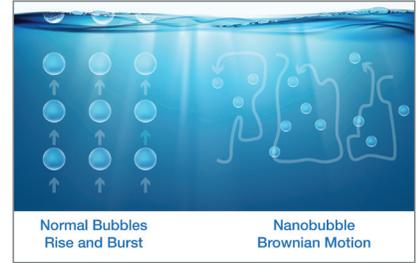
MOLEAER

| Pain Point(s)                    | Moleaer Solution   |
|----------------------------------|--|
| Algae growth in lakes and ponds  | Nanobubbles directly break down algae cells and reduce algae toxins without the need for harmful chemicals |
| Odor from the lake               | Nanobubbles enable beneficial bacteria to outcompete algae for available food                              |
| Water is not clear or attractive | Increase water clarity and quality   |

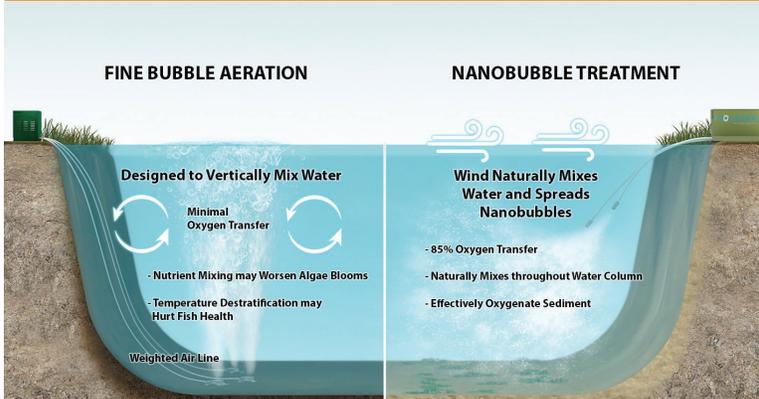
### How It Works

#### Nanobubbles

Moleaer's Nanobubble Generators produce trillions of nanobubbles each less than 200nm in diameter. Bubbles of this size exhibit, extraordinary properties including neutral buoyancy, a strong negative surface charge, and an enormous surface area per unit volume. When applied to lakes or ponds, nanobubbles increase oxidation-reduction potential (ORP) which measures the ability of a lake or river to cleanse itself or break down waste products. Nanobubbles can also elevate dissolved oxygen (DO) evenly throughout the water column and into the sediment layer, maintaining a healthy ecosystem.

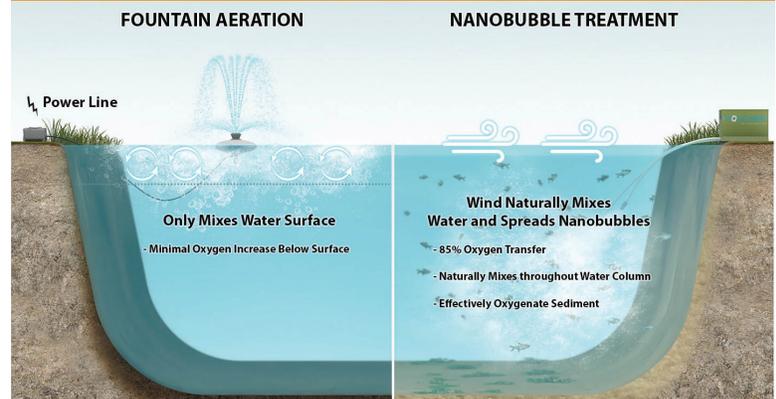


### Key Differences Between Traditional Aeration vs. Nanobubbles



- Due to their size, nanobubbles lack the buoyancy to rise to the surface
- As a result, nanobubbles can remain suspended at all depths

### Key Differences Between Fountains vs. Nanobubbles



- Nanobubbles can effectively treat the entire water body and not only the surface

# Case Studies

EXAMPLE  
01



BEFORE



AFTER

EXAMPLE  
02



BEFORE

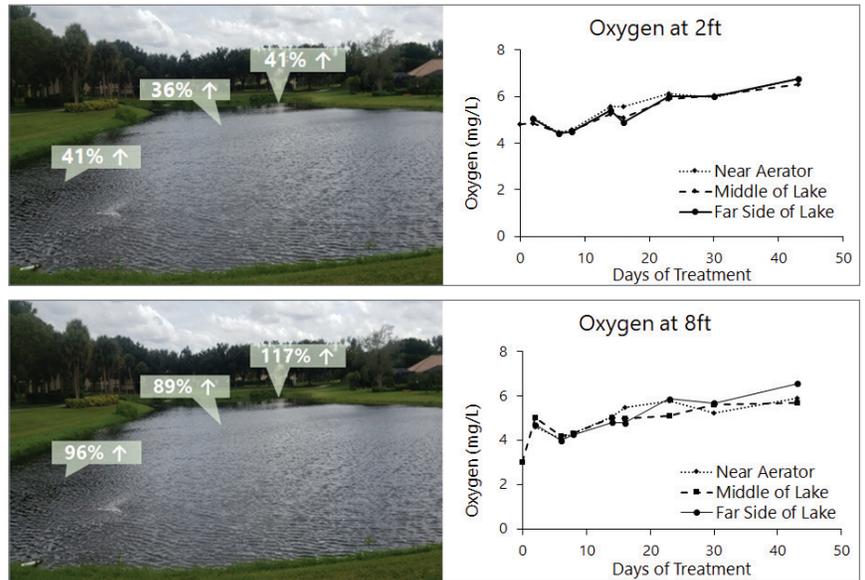


AFTER

## Moleaer Installation and Impact



## Moleaer Nanobubbles Impact on Dissolved Oxygen



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