

## What are Nanobubbles?

Nanobubbles are 2000 times smaller than a grain of salt, invisible to the naked eye, but with the power to transform the way gasses are delivered to where they are needed most. Nanobubbles are the most energy-efficient method of transferring gasses into a liquid. This technology is being used across all industries to deliver oxygen, ozone, carbon dioxide, and other gasses in an efficient and economical way.

Unlike conventional bubbles, Nanobubbles do not float, they are not buoyant. Instead, nanobubbles migrate throughout the liquid they are in, gradually releasing their gas for weeks after initial injection. The bubbles also repel one another, so they do not coalesce into larger bubbles. When the bubbles finally release their gas, they implode with a brief, intense energy that creates a beneficial reaction.

**Nanobubbles lower aeration costs by up to 75%, reducing capital expenditures and driving down operating expense.**



### Flotation Boost

Improved recovery of suspended ultrafine and sometimes coarse particles.



### Oxidation Boost

Long lasting oxygenation disperses bubbles throughout an entire water body.



### Environmental Impacts

Natural processes minimize or eliminate the need for added chemicals.

Mining

Water Treatment

Irrigation

Pool and Spa

Oil and Gas

Pharmaceutical/  
Biotech

Food and Beverage

Aquaculture

Land and Pond  
Restoration