

Aquaculture



NanoAqua

Benefits of nanobubbles



High yield and enhanced stock density

Nanokriti has developed an upgraded oxygen supply and aeration systems using nanobubble. In Salmon, Tilapia and shrimp farmers using land-based RAS



Improved water quality

The ability of nanobubbles to purify the water by dissolved air flotation and oxidation. The surface area and stability of nanobubbles are the key feature in

Reduce disease by ROS

Oxygen nanobubbles produces the ROS that can effectively destroy a wide range of contaminants, including bacteria, viruses, and organic compounds. This, in turn, leads to

Nanokriti develops affordable and empirically validated solutions aimed at enhancing productivity, minimizing dependence on chemicals, and promoting environmental harmony. We collaborate with established engineering and innovation teams from prestigious universities such as IITs for further application of nanobubble technology.



Energy efficiency

Seafood can be cultured at densities of up to 35 kilogrammes per cubic metre using conventional aeration systems. This can be increased to 70 kg or more with the use of nanobubble technology. Conventional paddlewheel aerators typically consume between 25 and 250 horsepower per hectare,

NanoAqua Key features

- Capacity up to 200 m³/hr
- Built-in oxygen generator
- Designed for salt water
- Controllable oxygen rate
- Optional IoT system for remote monitoring