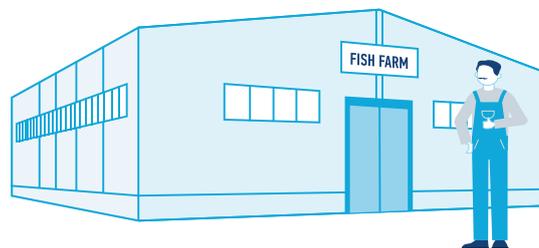




# SUSTAINABLE FISH FARMS USE PRIMOZONE OZONE SOLUTIONS

**EXPERIENCE AND RESEARCH** supports the usage of ozone as a method to breakdown organic waste, disinfect and treat the water in RAS to remove pathogens and create an environment that is less favourable for bacterial growth.



**RECIRCULATING AQUACULTURE SYSTEMS (RAS)** provides several advantages like **REDUCED WATER USAGE**, better environmental control, **LOWER EFFLUENT VOLUMES**, higher production. However, when water re-use and stock masses increase, it leads to an increase in waste accumulation which can make the overall environmental control more complicated. The build-up of fine colloidal solids, dissolved organics and nitrite in RAS can damage biofilter function and increase biochemical oxygen demand, stress the fish stock which result in a less productive and less stable system. **APPLYING OZONE CAN OVERCOME THIS AND MORE** challenges.

## WHY OZONE IN AQUACULTURE

- ✓ **INCREASE** - Overall plant productivity
- ✓ **FASTER GROWTH** - Increase in slaughter weight
- ✓ **DISINFECTION** - Reducing the risk of disease outbreaks in RAS environment
- ✓ **REMOVAL OF DISSOLVED ORGANIC COMPOUNDS AND DISCOLOURATION** - Ozone changes the characteristics of the dissolved organic compounds (DOC) by oxidation and precipitation, which makes it easier to remove the DOC by biofiltration and sedimentation
- ✓ **REMOVAL OF NITRITE** - When reducing the organic load with ozone treatment, the risk of nitrite growth is also reduced
- ✓ **SUPPLEMENTS OTHER TREATMENT PROCESSES**

## WHY PRIMOZONE IN AQUACULTURE

- ✓ **NUMBER ONE IN AQUACULTURE** - Best references
- ✓ **EASY TO USE** - No need for specialist competence to operate and control
- ✓ **ODM** - Individual dosing for each treatment line
- ✓ **SMALLEST FOOTPRINT** - Saves space and enables easy retrofitting
- ✓ **MAINTENANCE FREE** - Time consuming cleaning of the reactor is not required
- ✓ **AUTOMATIC PRECISE DOSING** - Integrated control system that can vary the dosing and provide the desired ozone level at any given time
- ✓ **LOW LIFE-CYCLE COST**