



### SUSTAINABLE FISH FARMING

Through the use of filtration and purification systems, it is possible to reuse the water in ground rearing ponds, allowing significant water savings and enabling aquaculture facilities, even in the absence of rivers or streams for water supply.

### RAS SYSTEM

RAS technology plants have grown exponentially worldwide; the highly sustainable nature of this type of plant represents a paradigm shift for freshwater aquaculture.

The RAS system can be fully controlled for consistent maintenance of the required water quality.

**FLUIDO3** provides both turnkey prefabricated plants, ideal for hatchery, crustacean farming, and small fish production, and designs and builds large-scale rearing plants on site.

### TREATMENTS

Within the RAS systems, **FLUIDO3** uses refined technologies for water treatment with microfiltration systems, MBBR biological reactors, CO2 removal systems, disinfection systems with UV, Ozone, H2O2, produced effluent purification systems, and high-efficiency oxygenation systems for rearing tanks with gaseous Oxygen.

### SMART WATER

- Design with mathematical models
- Logical process control software
- Industry 4.0

# Solutions for water

## GREEN TECHNOLOGIES

## AQUACULTURE

For a sustainable solution in freshwater fish farming, **FluidO3** manufactures Recirculating Aquaculture System (**RAS**) systems that enable up to 90 % reduction in water supply

### BENEFITS

The benefits of using RAS systems are many, including:

- Drastic reduction in water consumption, using only 10 percent of the water of a conventional system.
- Reduces the need to conduct aquaculture activity in existing ecosystem specific to the species reared.
- Carefully monitored and controlled water quality.
- Reduction in operating space.
- Possibility of wastewater reuse for hydroponic crops.

