

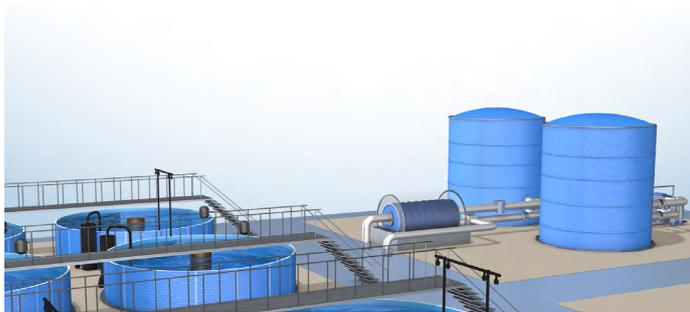
# BioFishency Ltd.

## A New Breed of Sustainable RAS Aquaculture Water Treatment Solutions

### Company Profile



Aquaculture, the farming of aquatic organisms for food, is the fastest-growing sector in animal protein production, and the most sought-after solution to meet the increasing global demand for fish, projected at 50 million tons by 2030. With the limited availability of land and water, the only viable solution is *intensification* – produce more fish per unit of area and water, with sustainable, cost-saving technologies. This is BioFishency.



### Who We Are

Celebrating its 10<sup>th</sup> anniversary, BioFishency Ltd. develops, manufactures and markets a new breed of Recirculated Aquaculture Systems (RAS) water treatment solutions to grow healthier fish. BioFishency solutions were designed to render RAS more sustainable, more profitable, and more optimized, while eliminating off-flavoring in both cold and hot water.

**BioFishency is fundamentally more than a water treatment solution – it redefines the future of the RAS industry.**

Among the company's solutions, its patented water treatment systems that minimize water consumption with full parameter monitoring, to deliver a year-round harvest of premium-quality fish. This is achieved by shifting the water treatment process from traditional bacteria-based filters (biofilters), to a cloud-based and fully controlled industrialized system. Powered by a robust user-friendly Command & Control interface, BioFishency helps to lower the carbon footprint, resulting in significant water and energy savings, and reduced greenhouse gas emissions.

### Key Benefits

#### Investors & Aquaculture Entrepreneurs.

BioFishency raises the bar on facilitating RAS by enabling optimal RAS operations, whereby required RAS systems can achieve their full potential, and drive sustainability and profitability forward.



**Business Partners.** BioFishency dramatically enhances existing or new RAS facilities, rendering a highly-sellable and profitable solution.



**Customers.** With BioFishency, you can significantly lower operational costs, save valuable resources, reduce the space required for indoor fish farming, and minimize water exchange, to maximize RAS ROI by lowering CAPEX and OPEX.



# A True, End-to-End RAS Solution: From growth, to harvest, to market – and beyond



## BioFishency SPB™

*Single-pass biofiltering systems*

A highly-efficient Full Water Treatment (FWT) system that outpowers traditional RAS, BioFishency SPB™ (Single-Pass Biofilter), is an all-in-one, plug and play biological filter for ammonia removal. Ideal for use with sea and fresh water species, BioFishency SPB is designed for existing and new fish growing developments with water restrictions, low water quality, or to increase productivity, with minimal investment.

Easy to install and operate, with no technical skills required, BioFishency SPB converts a flow through set up into a RAS system, to support ammonia, CO<sub>2</sub> and solids removal, while enriching O<sub>2</sub> throughout the process. Eco-friendly, BioFishency SPB uses only 20% of the water required, delivering a higher quality of discharged water, with an exceptionally small carbon footprint.

## Complementary Applications



**Live Seafood Holding** – Easy-to-use holding systems for supermarkets and hotels



**Live Seafood Transportation** – Facilitates land transport instead of costly air shipment



**Well Boats** – Zero discharge water treatment for sea transport



**BioFishency Ltd.**  
1 Melach Haaretz st.  
Atlit 3033933  
Israel

**BioFishency China**  
123 He Xiang Road  
Wujin District, Changzhou  
China

[www.biofishency.com](http://www.biofishency.com) | [info@biofishency.com](mailto:info@biofishency.com)

## BioFishency ELX™

*Fully controlled electro-chemical water treatment systems*

An Electro-Chemical Water Treatment (ECWT) system for ammonia removal and disinfection, and the first of its kind on the market today, BioFishency ELX™ overrides the inefficiencies of biological RAS, all in a fully controlled environment, while eliminating off-flavors. A robust zero discharge water treatment system, BioFishency ELX is ideal for cold and warm water species.

Powered by a built-in disinfection, multi-stage solution in a single cycle, BioFishency ELX directly transforms ammonia to nitrogen, without the need for a denitrification reactor. To support a small carbon footprint, the system requires considerably less space, and operates immediately upon electrical supply. Proprietary and patented, BioFishency ELX was developed and commercialized in collaboration with the Technion, Israel Institute of Technology, Haifa, Israel.

## About BioFishency

Founded in Israel in 2013, BioFishency Ltd. develops, manufactures and markets disruptive electro-chemical and biological aquaculture water treatment solutions for Recirculated Aquaculture Systems (RAS). Based on Big Data analysis and independent of water temperature, the company's patented technologies enable the production of healthier seafood products, while lowering the carbon footprint, yielding cost and resource savings for its customers around the globe.

BioFishency brings together expertise from the aquaculture, engineering, supply chain and international business development sectors, backed by a skilled and professional management team. BioFishency maintains offices and production facilities in Israel and China.