## **Global Resonance Non-linear Technology**

## The Game-Changer for Water



#### Introduction to water

# Energy and water represent mankind's two main challenges moving forward in the future, the Implications for society and individuals are obvious.



- Water covers 71% of the Earth's surface. It is vital for all known forms of life. On Earth, 96.5% of the planet's water is found in seas and oceans, 1.7% in groundwater, 1.7% in glaciers and the ice caps of Antarctica and Greenland.
- Only 2.5% of the Earth's water is freshwater and 98.8% of that water is in ice (excepting ice in clouds) and groundwater.
- Less than 0.3% of all fresh water is in rivers, lakes, and the atmosphere, and an even smaller amount of the Earth's fresh water (0.003%) is contained within biological bodies and manufactured products.

Source: wikipedia

### About the technology

# ..... but water is being polluted through the introduction of disinfectants, detergents, and cleaning solutions into the water systems.

#### The problem

- The problem consuming water with a positive Oxidation Reduction Potential (ORP > 0), is harmful to the human organism.
- This is due to the bacterial growth present in water pipes and conduits.



#### The Solution

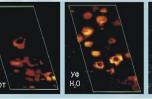
- The Solution use water with a negative ORP (ORP < 0) and neutral pH. We offer two ways out of the situation based on RNT technology, with 100% efficiency:
- ✓ Supply the consumer with water for general use, including disinfecting the water with activated solutions at the consumers location,
- ✓ Produce high quality drinking water with ORP <0 and a neutral pH for general use.

### About the technology

# Basis of the technology, how it works, and our USP: at the heart of our development – Global Resonant Nonlinear Technology, (GRNT).

- Including contact and noncontact activation of water solutions. Based on the transfer of liquids into a nonequilibrium thermodynamic state, including a resonant micro-cluster structure with energy and super-coherent electromagnetic radiation.
- The use of RNT practically does not change the chemical composition of the water and brings nothing but energy, which creates a radiant field, and destroys the mechanisms of cellular and inorganic binders. Based on these technologies the created disinfecting agent removes deposits and prevents their reintroduction. Our USP: the timeframe the water stays in this state.
  - 1. Detection of resonant microclusters in activated aqueous solutions







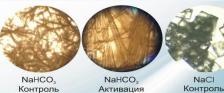








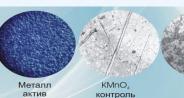
2. Micrographs of solids obtained by contactless activation (AM-RNT)





Активация



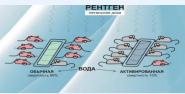




3. Effect of activated media on bio-systems









### About the technology

## Example of the technology – can be used in domestic or industrial systems

### **Domestic Application**

- The Emerald-SI is a versatile product for the Consumer market. Emerald-SI delivers ionized water of the highest quality with the following mineral composition (microelements Ca ++, Mg ++, iodine ...) and antioxidant properties (pH, negative ORP, micro-clusters).
- The unit is equipped with an imbedded controller, a display, flow sensors with a two-level system-monitoring display, system-status: reverse osmosis (purification), activation (water ionization), salinity, (optimization of mineral composition of drinking water).



### **Industrial Application**

- "MINI-Water Factory" The Mini-Factory can be scaled from installation in common areas such as entrances, hallways, or entire residential buildings.
- The Mini-Factory can be deployed in villages, towns or cities, as part of a municipal solution. In all configurations, the drinking water that will be ionized, disinfected, and of the highest quality. Each installation is equipped with a built-in controller, display, and flow sensors,





### **Applications**

## Key applications that can be targeted with GRNT, and the benefits

**GRNT Key Applications Key Benefits** Disinfects water and improves its quality **Drinking Water** Can be used in municipal or home systems Reduces mortality and improves nutrient intakes, Fish Farms increasing growth rate Cleans out pipes, superior to sodium hypochlorite by > **Cleaning Pipes** 300x Can help to heal wounds quicker Healthcare Improves circulatory system

## Key applications that can be targeted with GRNT, and the benefits

**GRNT Key Applications Key Benefits** Improves crop yield and Hydroponics quality, conserves energy, reduces costs Reduces mortality and improves nutrient intakes, Poultry Farms increasing growth rate, eliminates need for chemical disinfectants Improves quality, enhances assimilation by the the body, Yogurt production reduced time to market Wide range of applications: cancer and diabetes Healthcare treatment, use as an antiseptic, improves blood circulation