

Global Resonance Non-linear Technology

The Game-Changer for Water

Copyright GRNT

Global Resonance Nonlinear Technologies

2015

Valentin Shironosov
ikar@udm.ru, mob. +7 912 003 7171,
skype: ikarudmru

<http://ikar.udm.ru>, <http://grnt.biz>,
http://ikar.udm.ru/files/pdf/ikar_2015_ru.pdf
http://ikar.udm.ru/files/pdf/ikar_2015_en.pdf

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.

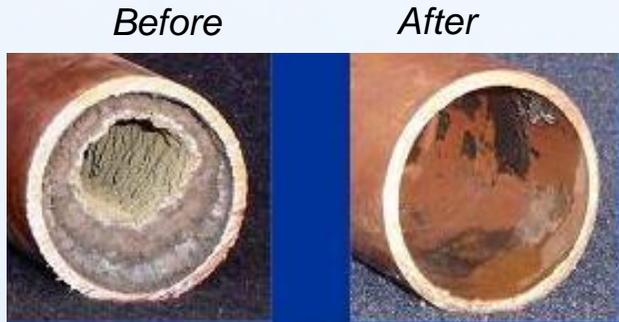
Source : wikipedia

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

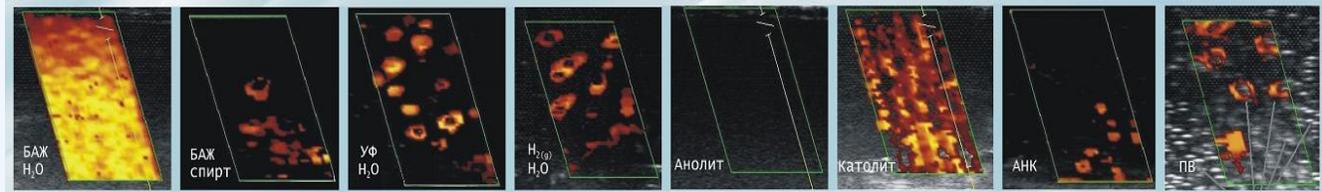
- The Solution – use water with a negative ORP (ORP < 0) and neutral pH. We offer two ways out of the situation based on RNT technology, with 100% efficiency:
- ✓ Supply the consumer with water for general use, including disinfecting the water with activated solutions at the consumers location,
- ✓ Produce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

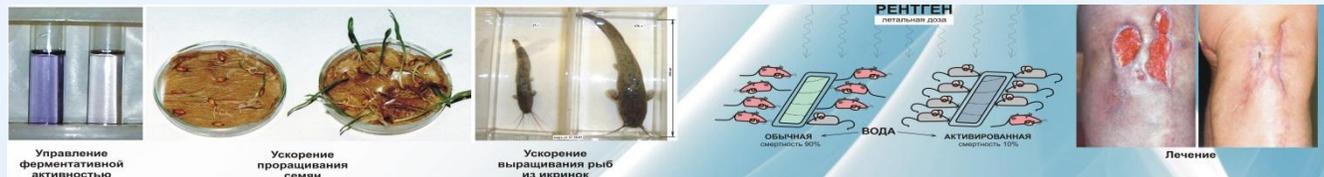
1. Detection of resonant micro-clusters in activated aqueous solutions



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



3. Effect of activated media on bio-systems

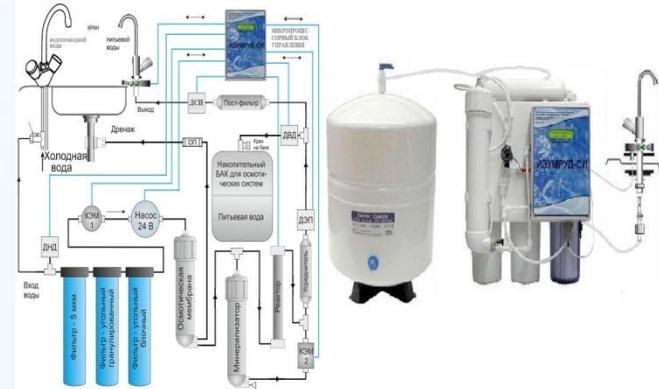


About the technology

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
	 <p data-bbox="961 505 1210 544">Drinking Water</p>	<ul data-bbox="1359 462 1844 608" style="list-style-type: none"><li data-bbox="1359 462 1844 529">▪ Disinfects water and improves its quality<li data-bbox="1359 536 1844 608">▪ Can be used in municipal or home systems
	 <p data-bbox="990 729 1181 768">Fish Farms</p>	<ul data-bbox="1359 688 1844 793" style="list-style-type: none"><li data-bbox="1359 688 1844 793">▪ Reduces mortality and improves nutrient intakes, increasing growth rate
	 <p data-bbox="961 933 1210 972">Cleaning Pipes</p>	<ul data-bbox="1359 902 1844 1008" style="list-style-type: none"><li data-bbox="1359 902 1844 1008">▪ Cleans out pipes , superior to sodium hypochlorite by > 300x
	 <p data-bbox="975 1158 1158 1196">Healthcare</p>	<ul data-bbox="1359 1116 1844 1222" style="list-style-type: none"><li data-bbox="1359 1116 1844 1183">▪ Can help to heal wounds quicker<li data-bbox="1359 1190 1844 1222">▪ Improves circulatory system

Applications

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

GRNT	Key Applications	Key Benefits
	 <p data-bbox="1004 492 1212 528">Hydroponics</p>	<ul data-bbox="1357 464 1781 564" style="list-style-type: none">Improves crop yield and quality, conserves energy, reduces costs
	 <p data-bbox="990 728 1222 763">Poultry Farms</p>	<ul data-bbox="1357 678 1823 863" style="list-style-type: none">Reduces mortality and improves nutrient intakes, increasing growth rate, eliminates need for chemical disinfectants
	 <p data-bbox="963 935 1253 971">Yogurt production</p>	<ul data-bbox="1357 892 1823 992" style="list-style-type: none">Improves quality, enhances assimilation by the the body,reduced time to market
	 <p data-bbox="973 1156 1149 1192">Healthcare</p>	<ul data-bbox="1357 1106 1802 1278" style="list-style-type: none">Wide range of applications: cancer and diabetes treatment, use as an antiseptic, improves blood circulation