

Water Security in Qatar - Water Modulator Device Z-1[®] for Energizing Desalinated Water | Recycled Wastewater | Underground Water

Sasa Jevremovic* and Alex Morgan

SD Investing Capital LLC, Lewes, Delaware, Salt Lake City, Utah USA

***Corresponding Author:** Sasa Jevremovic, SD Investing Capital LLC, Lewes, Delaware, Salt Lake City, Utah USA.

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Humanity is daily threatened by shortages of fresh water.

Qatar has very limited freshwater resources due to the geographical and climate features and faces a serious challenge in securing its water resources already diminishing due to droughts, low rainfall, prevalent climate. The fact that natural water resources are rare in Qatar, combined with minimal precipitation and high evaporation rates, are just some of the reasons why the Qatari water resources are dwindling at alarming rates. The problem is compounded by the scarcity of renewable water resources and the limited availability of arable land. The dependency of Qatar on desalination has severely strained its national budgets and caused irreparable damage to its ecosystems. Water security must be measured in relation between the aggregate water supply (from conventional and non-conventional water sources) over a period of time, and the aggregate water demand for various purposes over the same period - the input and output quantities of water within a system to a water balance. Qatar has extremely arid climates with negligible precipitation.

Natural water sources are scarce and arable land is extremely limited. Human factors, such as high population growth, rapid urbanization, and gigantic industrial and agricultural projects exacerbate the pressure on already strained water-supply systems. Qatar has had little choice but to secure alternative water supplies. The most important of these are desalination plants, recycling wastewater from sewage systems, and from industrial and agricultural operations. Qatar dependence on desalination has placed a severe strain on the national budget and caused irreparable damage to local and regional ecosystems. Qatar one of the largest desalination producer in the GCC region pumps around 0.5 bcm (billion cubic meters) of desalinated water a year, where the household and industrial sector consumes nearly 0.4 bcm a year. The water gap could sharply widen in 2030 in the absence of major desalination projects to meet a rapid increase in consumption because of a steady growth in the Qatar's population and economic expansion. Unfortunately, the use of desalinated and reclaimed (waste) water is the global hazard of the 21st century.

Desalination of seawater and brackish water is becoming an increasingly important means to address the scarcity of fresh water resources in Qatar. Water desalination has positive impacts on the environment, such as increasing water availability and recycling poor-quality water. However, it has also several negative impacts, mainly: brine disposal of residues from desalination, chemical additives used for antifouling, anti-corrosively, removed water's aliveness, potential health and environmental risks. Heavy polluting substances (isotopes of hydrogen, bromine, algal toxins, endocrine disruptors, industrial, household waste) are unable to be completely removed by any water purification systems. Desalinated or demineralized water and waste treated water are energetically Dead Water, extremely harmful for the human digestion, orally or throughout the animal and agriculture food products. Demineralized water is very aggressive and causes health detrimental of people and animals. Humans cannot digest artificially mineralized water.

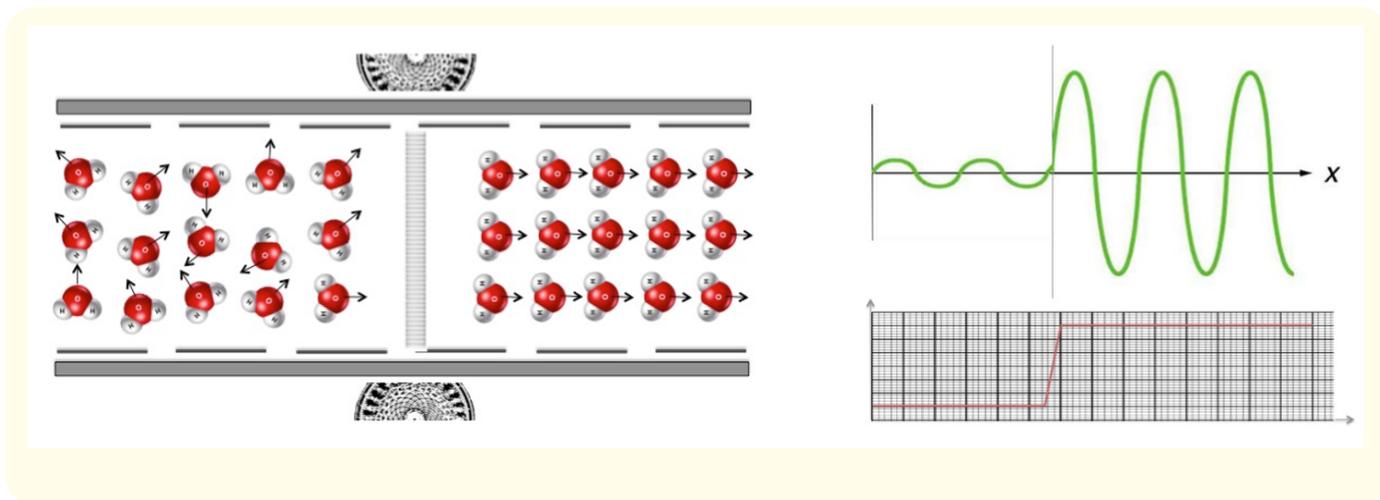
The emergence of Nano and Quantum Technology offers new opportunities to advance water desalination and wastewater treatment technologies. Our designed Water Modulator Device Z-1[®] brings life into the Dead treated Water and converts it to a Healthy Living Water.

Water Modulator Device Z-1® is based on a new approach and application of the high sensitive and effective Nano and Quantum Technologies. Effectively increases the energy of hydrogen bonds in the water; eliminates negative energy patterns, redefines the water's natural healthy energy pattern, breaks up large-low energy water molecule clusters into smaller-high energy clusters, forms the oriented sub-atomic (molecular) structure, decreases the molecular surface tension, increases the energy level (Vortex) and bio- availability and forms 'Stabilized Water' - Living Water. All Quantum states have energetic blueprints tied to them: triggers that can induce a certain level of clear energy of the water.

With specially calibrated input/output (protected logarithm procedures), this process naturally energizes water, vibrationally purifies it and the most important, structures the water for optimal absorption and hydration. The new-formed state of water, 'Stabilized Water' has higher levels of energy (vortex) and bio- availability, which scientifically transfers to the cells in human body, preventing body-aging processes, preserving and increasing body's natural immune capabilities, disease resistance, health and growth without any genetic changes.

In the agriculture, animal husbandry and fishery applications, 'Stabilized Water' scientifically transfers to the growth cells crops, livestock and fish, boosts their Genome and Growth Hormones, promotes rapid growth of the crops, livestock and the fishes for the time period, bringing better immune capabilities, disease resistance, increased yield several times, compared the conventional and modern agriculture, husbandry and fishery, and without any genetic harnesses.

New quantum structure, negatively charged, gives water a better permeability to cell walls and scientifically improves super hydrating properties. 'Stabilized Water' helps to reverse the negative effects of water desalination, waste water treatment, underground water treatment, recycling and revised system of technology processes.



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