

## Testimonial Data ~ Grander Water Revitalization

Note: the strength of the observed effects are dependent on the original conditions of the water found/used on site.

Generally amortization of the Grander units occurs within 2-4 years

We can send you the individual articles on request.






### **Industrial Applications**

General effects of the Grander technology for industrial applications:

Restructured water has a much greater ability for auto-purification; it creates an environment that is not conducive to harmful micro-organisms and algae. In this sense Grander technology prevents the otherwise normal build-up of algae and/or slime bacteria in cooling and heating systems.

Restructured water leads also to a changed electrical environment in the water; in the sense that particles dissolved or suspended in the water do not attract but repel each other: that would account for the observed anti-corrosive effect and the reduction of scale deposits.

Here some observations to illustrate the above said:

	<p><u>Isosport, Eisenstadt:</u> No limescale, algae and bacteria in cooling system; reduced corrosion; improved cooling performance; less maintenance</p>
	<p><u>Messer Austria:</u> Improved cooling performance; less maintenance</p>
	<p><u>Montic Dairy, S.Africa</u> No scale in cooling and heating processes pasteurization steam stays clean</p>
	<p><u>Codelco Mines, Chile</u> Better flotation yields and faster processing times</p>
	<p>Dissertation Klaus Feissner: 17% less surface tension (materials are better dissolved)</p>

## Wellness/Recreational Applications

General effects of the Grander technology on recreational water:

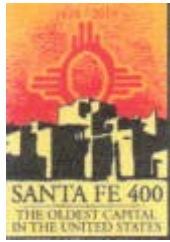
The lowering of the surface tension makes it easier for the water to dissolve and transport any substance (like chlorine or cleaning agents). This effect allows for reduction of chlorine for pool disinfection and cleaning agents.

As a consequence, this leads to a softer feeling of pool- and spa water, to less irritation of eyes and skin.

The Grander technology is also enhancing the capacity of the water to transport heat; which leads to reduction of heating costs.

Here some observations to illustrate the above said:

	<p><u>Wellness Hotel Alte Post:</u>          30-50% reduction of chemicals (chlorine)          water is smoother and feels better          pH constant at 7.3          Redox constant at 784</p>
	<p><u>Spitzwirt Restaurant:</u>          20% reduced heating costs for rooms          Detergent use cut by 50%</p>
	<p><u>Styria District Hospital:</u>          Heating no bacteria, algae, scale          chemical costs down by 75%</p>
	<p><u>Raufoss Badeland, Oslo:</u>          Less heating costs          no red eyes, skin irritation, allergy against Cl</p>
	<p><u>Craig Park and Recreation:</u>          chlorine down by 75%          no UV unit used at all          no corrosion in supply lines</p>



City of Santa Fe, USA:  
40-50% chlorine reduction  
reduction in chloramines



Seaport Hotel, Boston, USA:  
Absent chlorine smell in indoor and outdoor pools  
improved air conditions  
chlorine use down by 50%



Craik Eco Center:  
better quality of drinking water  
better taste of beverages made on site




City of Taos, New Mexico, USA:  
50% chlorine reduction for swimming pool  
better air conditions: no smell  
no skin irritation

## Gardening/Agriculture

General effects of the Grander technology on irrigation water:

The effect of lowering the surface tension of the water and the restructuration of the water's clusters eases the transport of nutrients and the general metabolism of the plants. This leads to economies in the use of fertilizers, increased crops and earlier ripening.


It is also to be considered that the installation of a Grander immersion unit in a well will – provided a sufficient size- recondition all the subterranean water , which in its turn will have a positive influence on the microbial life in the soil and the nutrient/water uptake by the plants.

<p>Herrero Avocados, Spain</p> 	<p>Increased crop of yellow peppers by 40% do more clogged irrigation nozzles ripeness occurs 2 month earlier</p>
<p>Husula Garden, Finland</p>	<p>Crop increase by min.10% plants are stronger and stay longer fresh</p>
<p>Chinese Institute for Vegetable Research, Beijing:</p>	<p>Leaf vegetable: crop increase by 13% Radishes: 12.75% tomatoes: 11.8%</p>

## Water Treatment

General effects of the Grander technology on natural water bodies:

The re-structuralization leads to a better auto-purification capacity of the water and to a better transportation of dissolved material. The same accounts for the better performance of water treatment system, especially if they are working in a biological way.

<p>Spitzwirt Restaurant, Austria</p>	<p>Garden pond remains free of algae, while before each week 18L algae had to be removed.</p>
<p>Sao José dos Campos, Brezil</p>	<p>Irrigation lake freed of algae clear water can grow fish greater variety of plants in lake water</p>
	<p><u>Aquapoint, USA:</u> better BOD reduction better nitrogen removal rates in sewage treatment</p>