

Magnetic Technology

A bridge to the future

Chemical-free solutions using biologically active water



Health



Home & Workplace



Agriculture & Food Security



Dairy



Livestock



Poultry



Fuel Saving



Scaling/Corrosion Removal



Exclusive Solutions

Who we are

We are the inventor and pioneer of this innovative **Mag Green Technology** having no comparison with any other technology around the globe.

Magnetic Technology is the outcome of more than 30 years of constant research, observation and implementation. The research was initiated by 52 leading research institutes in Russia led by Pro.YuriTkatchenko, who is continuously working on this technology from the U.A.E.

Magnetic Technology derived from research in Russia during the 70's and 80's and since 1995, the research work is still continue from the UAE even after the scientists relocated from Russia, creating the Magnetic Patriarch Company Magnetic Technologies LLC.UAE

MagTech (Pvt.) Ltd. Pakistan, was created to collaborate and expand the technology in Pakistan with the goal to provide chemical –free magnetic enhanced solutions in every aspect of life in Pakistan.

What is Mag Structured Water Technology

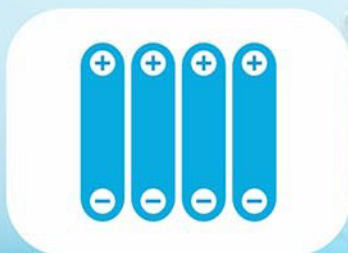
Magnetic Treatment

Before



Unstructured Molecules

After



Structured Molecules



Conversion of normal water into
Biologically Active Water

Mag Structured Water :

- **Biologically Active**
- **Structured**
- **Healthier & Lighter**
- **Oxygenated**
- **Free of Chlorine & other harmful gases**

Health



Drinking and consuming contaminated water predispose human life into grave health hazards

Health benefits of drinking Mag Funnel treated water includes:

Regulating/Maintaining Blood Pressure

Reducing Cholesterol Level

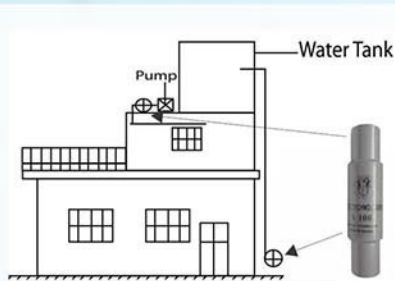
Reduces Acidity and regulates body's pH level

Strengthens functionality of Red Blood Cells
Mag Structured Water Technology through various specialized devices addresses common health problems

- **Migraine/Headaches**
- **High Blood Pressure**
- **Asthma and other respiratory problems**
- **Epilepsy**
- **Muscular Pains & Arthritis**
- **Water-borne diseases**

The effects of using biologically active water in homes, offices and factories result in overall savings and benefits

Home & Work-Place



Drinking Water

Drinking Mag Structured Water relatively prevents sickness and improves overall energy level

Mag Shower

- Skin gets well hydrated and acquires a glow
- Reduces wrinkles and hair fall
- Body absorbs more water with Mag Shower

Cooking & Dishwashing

- Reduces cooking time
- Washes-off impact of pollutants and pesticides by soaking vegetables and fruits
- Improves taste of cooked food

Laundry

- Less detergent is required
- Better rinsing reduces spin cycles thus saves electricity

Energy Consumption

- Reduces Gas/Electricity bill as water boils faster

Minimum Maintenance

- Less scaling on pipes which minimize leakages
- Increases the life of geyser and reduces rust formation in pipes

Municipal water can be used now for drinking and cooking.

Agriculture & Food Security

Mag Green Structured Water Technology through specialized devices not only increase yields but also reduces farmers' cost through reduction in inputs, seeds, fertilizers and pesticides

Seed Germination

- Savings on seeds sowing by 5%-50%
- 100% crop germination using ordinary seeds

Reduction in Fertilizer needs

- About 25%-50% less fertilizer is required

Reduction in Pesticide use

- Increases protein formation in plant
- Create resistance against diseases/harsh climate
- Reduces 50%-70% pesticides use

Early Harvest

- Crop mature/ripe 7-15 day earlier

Increased Yields

- Healthier crop, 25%--50% better quality
- Increased per acre yield by 20%-50%

Increased shelf life of produce

- Leads towards organic farming
- Increase fruit productivity
- Improve taste and shelf life

All agriculture solutions available, for crops, vegetables, orchards (including fruit fly issues)



Mag Green Devices provides above 50% savings of input costs (seed, fertilizer, pesticides etc)

Agriculture with Salty Water



Salty water tube-wells can be used for irrigation

Reclamation of Barren and Marginal Land

The state of the art mag Green structured water technology allows cultivation on saline land through salty (underground) water with upto 6,000 TDS.

- No recurring costs (once installed the device is productive for at least 10 years)
- Improved hydro conductivity
- Decreases salt levels in the soil



Millions of acres of uncultivable land can now be cultivated with Salty water

Crop Comparison between Mag Green structured water and normal water

Normal Water



Mag green structured water



Normal Water



Mag green structured water



Poultry



Effects on egg-laying

- Egg-laying qualities of birds increase upto 10% upon regular intake of Mag Life Water
- Increased profitability and reduction in cost of feed

Healthier Chicks

- Chickens drink Mag Life Water produce nutritionally-rich eggs.
- Potentially healthier and disease-free chicks will be born from those eggs.
- Reduce the need of medication and vaccines in poultry.

Effects on Breeding

- Birds gain weight faster which reduces maturity period by 3-5 days

Effects on Health & Quality

- Biologically active & Structured Water substantially reduces E.coli, Coliform and other bacteria and eliminate waterborne diseases.
- Water TDS is normalized and balanced (High salted water is harmful for birds.) The medicines are more effective in Mag Life Water.
- Mortality and sickness rate is significantly reduced
- Metabolic and Immune system is substantially improved to resist viral diseases, gastro-intestinal problems and the quality of meat is improved.

Special Ionizer

Special Magnetic Ionizer has been developed for installation on water lines (inlets/outlets) to cater to your needs and is available in different sizes and diameters.

Dairy & Livestock



Dairy Farmers can benefit greatly by the Mag Life Treated Water as results indicate increased productivity and improved quality of dairy products.

- Increased milk production by 10% to 15%
- Increase fat content of milk by 0.13%-0.15% (standard fat content of milk is 3.2%)
- Mag Life Treated milk has an increased shelf life in the container
- Drastically reduces bacteria in milk
- Makes milking process easier

Biologically active water is great news for livestock breeders as the benefits generate greater profits as a result of lesser costs and higher returns.

- Improve taste and quality of meat
- Increase weight of meat
- Prevents diseases caused by contaminated water and fodder
- Mortality ratio becomes negligible
- Protect skins from diseases and make it shiny
- Improves metabolism, removes nutrient-deficiency and maintains nutritional balance
- Increase average weight gain in lamb upto 12%
- Increase average weight gain by calves upto 10 to 35%
- Improve fertility of animals

Mag Life Treated (Biologically Active) water increase milk production and weight of livestock

Fish & Fisheries

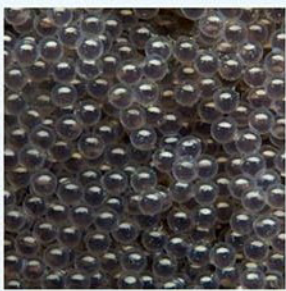
Mag Life Water carries more oxygen content which is favorable for fish, shrimp & lobster breeding and caviar farming

Mag Life Water reduces diseases in water hence improves the fish stock

Mag Life Water improves fish taste.

Fish attains maturity faster

Increases fish size and weight significantly



Mag Fuel Device

Save fuel ... save money ... increase mileage

- Reduce fuel consumption
 - Automobiles 15 - 30%
 - Generators 5 - 10%
- Life time solution (at least 10 years)
- No operational and maintenance cost
- Easy installation
- Cleaner Environment through reduction in emissions of toxic gases
- Increase engine's life and power
- Excellent results in all engines, commercial & industrial generators and power plants
- Available in LTV, HTV and HTV extra models
- Devices are available for cars, vans, jeeps, busses, trucks and trailers etc
- Increase pour-point (freezing of liquid fuel) for heavy and light vehicles in cold weather.



- 1 Fuel Tank
- 2 Filter
- 3 Mag Fuel Device
- 4 Carburetor/EFI



Scaling/Corrosion Removal

Chemical-free Solution



Scaling and Corrosion

- Corrosion & Scaling are the regular feature in industries, oil&gas fields, processing plants, cooling towers, boilers, heat exchanger and pipelines
- Microbial growth can strongly influence fouling, corrosion and scale formation
- Calcium deposits increase bacterial growth and foul pumps, filters and reduce the heat transfer potential of the system hence increases energy requirements

Mag Devices

- Prevent scaling and corrosion
- Decrease maintenance cost
- Reduce equipment repair or replacement
- Less frequent shutdown for cleaning
- Decrease fuel cost and energy consumption

Scale Thickness	Increased Energy Consumption	Effects of Magnetic Modifier
1/32	8.5%	Savings of increased energy consumption +5%40% more fuel saving
1/16	12.4%	
1/8	25%	
1/4	40%	

*U.S. Department of Energy

Mag-Devices can perfectly and completely alter physical properties of corrosion, fouling and scaling

Exclusive Solution Range



RO Plants

- Decreases Electricity/Gas cost
- Increases the life of the membrane & filter
- Minimizes water wastage
- Provides biologically active water

Hotels

- Decreases Electricity/Gas cost
- Reduces blockage & seepage due to scaling/corrosion in pipelines
- Increases life of water heaters, coolers and heat exchangers
- Reduces the cost of detergents, soaps and other cleaning material



Swimming Pools

- Eliminates the need of chlorine significantly reduce
- Results in no hair and skin damage or eye burns
- Reduces bacterial growth

Hospitals

- Provides potentially bacteria free, hygienic environment
- Reduces janitorial, surgical sterilization, laundry and other cleaning costs

Golf Courses

- Eliminates bad odour/smell of ponds and puddles
- Crystalizes water and increase bio-diversity

Parks & Horticulture

- Better fragrance in flowering plants

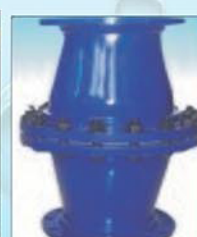


Construction Projects

- 10% reduction in cement use
- Allows marginal water to be used in Batching plants
- Reduces seepage and settling time
- Increases the strength of the structure
- Reduces shuttering time significantly

Our Mag Green Devices start from ½ inch dia to 30 inch dia or higher as per the requirement, these are designed on flow rate starting from 4 m3/hr to 1000 m3/hr or as per your requirement

Mag Green Show Devices



Mag Devices Range

We manufacture over 500 product design range of customized systems for a complete solution

Mag Funnel



Mag Health



Mag Fuel



Our Product Portfolio



Once Installed all MagTech devices have a life of 10 years.

Unique and Latest
Magnetic Technology
now available in Pakistan

- **The only technology that doesn't involve electricity, energy, maintenance, cleaning, replacement parts and operating cost**
- **Once installed the device is effective for at least 10 years**
- **Reduce cost and increase savings**



Magnetic Technologies LLC
www.magneticeast.com

Sole Distributors

MagTech (Pvt) Ltd.



Corporate Office Karachi:
113, Progressive Center,
Shahrah-e-Faisal, Karachi
Phone: 021 34322086-7,
Fax: 021 34383731
info@magtech.com.pk

www.magtech.com.pk