

# Mazingira Technologies

Drinking & Waste Water



Analysis

Mazingira Technologies offers assistance and service to prevent infections caused by water-borne pathogens such as pseudomonas or legionella in your water systems. Furthermore we can offer the sampling and testing of your water quality. Of the broad range of physical, chemical and microbiological water-parameters. If needed the test can be done in association with reputable laboratories.

Mazingira Technologies is also supplier for testing and laboratory equipment and the needed reagents and chemicals.



Consulting

With the goal of sustainable water management and a careful use of water resources, Mazingira Technologies is working on holistic approach for water systems in large and small scale. Furthermore we help our customers to fulfil national and international water and sanitation regulation requirements.

Our consulting areas are:

- Sustainability
- Water Hygiene
- Water Management
- Water Treatment

Disinfection

Beside TwinOxide Mazingira Technologies offers a variation of other combinable water disinfecting systems:  
• The SolarAO Disinfection system guarantees that water will not be re-contaminated or germinated when stored or transported in a separate container. This system is based on Anodic Oxidation.

• SolarUV-Disinfection Systems are perfectly suited for applications where water with low or no turbidity is available but maybe contaminated.



Treatment

With so many emerging technologies on the hand we are in a position to advice our costumers on the best available technologies.

• Our Solar Water Desalination and can be used with seawater or brackish wells. The SolarUF Purification Systems guarantee a reliable and safe water supply from dirty water sources. Both systems are ideal for remote areas.

• The Mazingira SBR-purification plant is a full biological sewage water treatment technology. This means specially that our system has no need of a mechanical pretreatment causing inconvenient and expensive problems of faecal sludge disposal. With our special process of a biocascade we have a reliable nutrient removal and a higher effluent quality with a low energy demand and maintenance.

Most of the existing septic tanks can be converted easily into a Mazingira SBR-purification plant.

Treatment

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# Mazingira Technologies

A new ecological concept for water treatment

TwinOxide® chlorine dioxide

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TwinOxide® is a easy to use treatment and disinfection system for water.

It is a powder based system to produce a 0.3% or 1% chlorine dioxide solution. No need of generators or handling dangerous liquid chemicals. As a water disinfectant TwinOxide® is removing bad smell and taste from water without having a smell or taste on it's own. Chlorine dioxide has no carcinogenic by products like chlorophenols, trihalomethanes, chloramines or compounds of AOX formed by all other chlorine based disinfection methods!



## Horticulture • Fruit and Vegetable Farming

- Biofilm control in irrigation systems
- Disinfection of horticulture, viticulture, fruits, vegetables for extended shelf time
- Spray against mildew from plants, leaves, fruits and grapes
- Fungicide and algacide



## Hotel • Restaurant • Camp-site

- Legionella control and prevention
- Disinfection of the entire water cycle
- Disinfection of all hard surfaces in kitchen, store, bath and wash room
- Biofilm removal in the water cycle
- Disinfection and cleaning of premises, facilities
- Disinfection of water dispensers and filters
- Disinfection of air conditioners
- Improvement of drinking water quality
- Fruit and vegetable washing to extend shelf time



## Livestock and Dairy Farming • Fishing Meat Processing

- Animal drinking water disinfection
- Cleaning and disinfection of water systems
- Control and of Salmonella and Legionella
- Disinfecting equipment and premises
- Disinfectant for products to extend shelf time
- Disinfecting piping systems
- Odour control
- Biofilm removal



## Industries

- Beverage Industry, Bottling Plants, Textile, Paper and Printing Industry, Oil and Gas Production
- Disinfectant for machinery, pipes, tanks
  - Bleaching and cleaning agent
  - Odour control
  - Biofilm control
  - Disinfecting protecting gear



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