

Netafim™ & GES

Combining Resources To Deliver Environmental Solutions



Global Water Challenges

The world's fresh water reserves are alarmingly decreasing due to exploding global populations and agriculture usage. Global water contamination and mounting volumes of wastewater are rapidly on the rise. Growing universal concern regarding fresh water reserves has created a fundamental need to deliver critical solutions for environmental water control.



Innovative Water Solutions

Environmental Irrigation with Advanced Closed Circuit Solution

Netafim™ and GES (Global Environmental Solutions) have created a customized, end-to-end solution for efficient wastewater irrigation and desalination. State-of-the-art wastewater recycling technology and world-leading systems have been integrated to provide productive irrigation resources. The system upgrades brackish water sources in order to make them irrigation compliant while animal manure effluents are treated and recycled. Precious freshwater consumption resources are further reduced as well as ecological stress. Netafim™ and GES offer a resourceful solution that opens up a world of opportunity for exploiting saline water and wastewater while complying with demanding environmental regulations.

Netafim™ & GES Shaping A Green Future Together

Advantages of Combined Resources

- Possible Turnkey, BOT or O&M Solution
- Added Value
- Reduces Costs
- Potential Income Sources
- Environmental Recycling

GES Successful Case Studies

Atlit Desalination Plant

Brackish Water Desalination

The Challenge

To find saline water for irrigation and crop demands.

The Water Source

Brackish water

The Solution

The Atlit plant supplies 1.2 million m³ of desalinated water for irrigation and drinking purposes on an annual basis. High-quality drinking water is sold to the national water company. Dual purpose brackish water desalination occurs by reverse osmosis. The plant is fully automatic and has low operation and maintenance costs.



Kibbutz Eilon

Membrane Technology for Wastewater Treatment

The Challenge

To find suitable high quality effluent for local orchard irrigat

The Water Source

Domestic, cowshed and industrial wastewater

The Solution

The Kibbutz now operates a pioneering plant using advanced MBR (Membranes Biological Reactor) wastewater treatment technology. The system treats the wastewater from the cowshed, the kibbutz and the food factory. Treated effluents flow into a local reservoir for irrigation use. The plant is cost-effective and easy to operate.



Wineries

Industrial Wastewater Treatment

The Challenge

To treat winery wastewater that is acidic, reaches high temperatures and contains solids.

The Water Source

Winery wastewater

The Solution

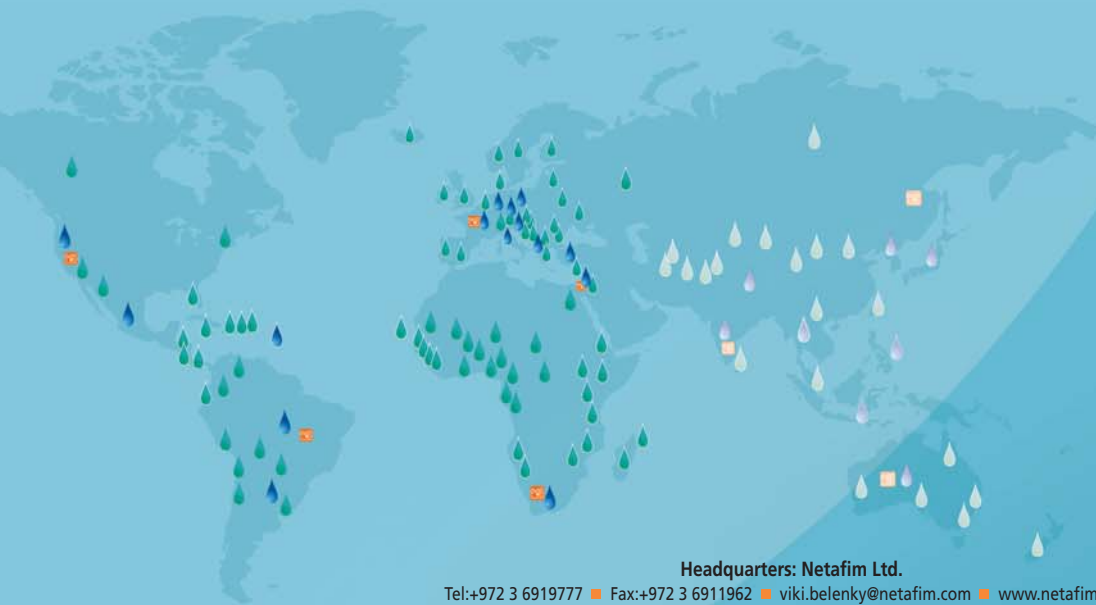
A variety of wastewater treatment plants have been installed in various leading wineries in Israel. The plants make use of rough filtration, pH adjustment and TSS (Total Suspended Solids) removal. Wastewater is discharged into the public sewage system. Each plant is tailor designed to the needs of the winery. The plants are simple to operate, fully automatic and cost-effective. They have been proven as the only effective solution for winery wastewater.

About Netafim™

Netafim™, the pioneer and global leader in drip irrigation, is one of the world's leading low volume irrigation systems companies. A committed member of the Israel Bioorganic Agriculture Association (IBOAA) and the International Federation of Organic Agricultural Movements (IFOAM), Netafim™ is actively involved in worldwide efforts to protect the environment and enhance the quality of life on our planet. Organic farming is therefore a key area of importance in our corporate strategy. For this reason, we continue to channel our vast experience and scientific resources, into developing innovative irrigation solutions to produce best organic yield, while restoring soil fertility to its natural state.

About GES-Global Environmental Solutions

GES is a leading company with years of experience in water and wastewater treatment. The company designs, builds and operates numerous treatment plants in Israel and all over the world. Specializing in tailored engineering design to meet customer's treatment goals, GES offers quality, simple maintenance and cost-effective solutions.



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