



Category: Industrial water treatment,
Drinking water, Water resources management
Sub category: Desalination plants

www.uet.co.il

Company profile

UET's representative in South Africa - WESU, Water Engineering Systems Unlimited.

Date of establishment: 1992

No. of employees: 30

Background on the company

UET was started in 1992 by David Sherzer. His experience in water treatment actually began in Dead Sea Bromine when he was the Chief Process Engineer of the group. At this position he had the responsibility for: utilities water systems, process water systems and special water qualities demands, together with highly sophisticated chemical production.

UET offers solutions for a wide variety of applications including in the industrial, commercial, civilian and agricultural sectors.

Examples of projects:

- DeBeers mines- south Africa ● ASSMANG CHROMO- south Africa ● TKS- Thyssen krupp Germany ● Netafim- Israel ● S&C- USA ● Northern university- Illinois- USA ● Constab-Germany
- Walter rau- Germany ● Machteshim-Agan-Israel ● IAI-Israel aircraft industry ● TNUVA dairy- Israel

Technology & product(s)

General description: UET have developed, installed and implemented successfully, more than 3,500 water treatment systems. UET products are based on a mathematical algorithm in the field of chemical engineering for the production of a process unit composed of a "green" reactor and settler (Green Machine). The calculated amount of scale, corrosion products and bio life are being produced in the UET's reactor and settled in the UET's settler. The driving force for the reactor is partial electrolysis of the water.

The process unit is tailored to specifications, manufactured, and delivered to the customer, including the highest level of engineering and technical support.

UET's technology is a complete techno-economic substitute for existing technologies, including chemical additives, acids, flocculants, water improvement systems such as softeners, reverse osmosis (RO) systems, etc.

Due to sustainable unique advantages, UET can provide genuine Total Water Management, which can allow factories to work with "zero discharge".

UET is providing those solutions to cooling towers, Reverse Osmosis pre-treatment, Hot water, Fe removal, closed cold & hot water systems and process water systems.

Function of the product(s): Special experiences in water treatment:

- Recycling RO reject as make up to cooling towers instead of drinking water.
- Reducing the blow down from the cooling systems up to "zero discharge"
- Pre treating RO systems without using softeners.
- Reducing the costs of RO water by 25%.
- Removing Fe and Mn without using aeration ponds.
- Improving desalination processes.

Objectives / Target companies

We hope to make contact with companies that UET can partner with and together to expand both companies business.