



**Ministry of Industry,
Trade & Labor**



*The Israel Export &
International Cooperation Institute*



**Israel
NewTech**

National energy & water program

Innovative Israeli Companies – Delegation to Italy

Water Technologies

27-28 May 2013



Business Support on Your Doorstep



Consejería de Economía e Innovación
Embajada de Israel en España

www.israelnewtech.gov.il

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The National Energy and Water Program

Israel NEWTech was established in 2006 under the leadership of the Ministry of Industry, Trade and Labor and with the participation of ten government ministries and official organisations. Israel NEWTech focuses on water and energy technologies and provides an infrastructure that encourages the development of technologies in this sector.

For more information on Israel NEWTech, please visit website: www.israelnewtech.gov.il

The Israel Export & International Cooperation Institute

The Israel Export & International Cooperation Institute, founded in 1958, is supported by over 2,600 member firms, private sector bodies, and the Israeli government. The Israel Export & International Cooperation Institute promotes business relationships between Israeli exporters and overseas businesses and organisations.

Energy & Environmental Technologies Department

The IEICI's Water & Environmental Technologies Department has an intimate acquaintance with the Israeli Water, Renewable Energy & Environmental industry exporters, which includes more than 400 companies, and about 100 start-ups. It has a proven ability to identify and match suitable potential business partners, organising one-on-one business meetings and is a focal point for contacts with the government as well as with the industry. By providing a wide range of export-oriented services to Israeli companies, and complementary services to the international business community, the institute helps to build successful joint ventures, strategic alliances, and trade partnerships.

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Israel Commercial and Investment Office

The Israeli Commercial and Investment Office in Milan promotes trade and know-how exchange between Italy and Israel especially in water and environmental related technologies.

The high standard and level of innovation of the technologies made in Israel is appreciated all over the world as it provides effective and smart solutions in the water sector.

All the Italian water utility companies, the integrators and operators interested in knowing these innovative technologies and establishing cooperation with Israeli companies are invited to meet the Israeli delegation to Italy on the 27th and 28th of May and to join the delegation to Israel visiting WATEC 2013 22nd -24th of

October www.watec-israel.com

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One goal -
Wide
partnership

The national program is led by:

Ministry of Industry, Trade and Labor Foreign Trade Administration - Investment Promotion Center, Ministry of National Infrastructure

Members:

The Israel Export & International Cooperation Institute | Prime Minister's Office | Ministry of Finance | Ministry of Foreign Affairs | Ministry of National Infrastructure | Ministry of Environmental Protection | Ministry of Science Culture & Sport | Ministry of Agriculture | Ministry of Negev and Galilee | Public Utility Authority- Electricity | Council for Higher Education Ministry of Industry, Trade and Labor: Office of The Chief Scientist | The Israel Standards Institute | Industrial Cooperation Authority | ASHRA - The Israel Export Insurance Corp. Ltd. | Economic Planning Administration | Knowledge-Intensive Industry Administration | Manpower Training and Development Bureau



Category: Water Treatment

Sub Category: Desalination, Drinking water, Waste water treatment

Contact: Maura Rosenfeld | maura@advanced-mem-tech.com

www.advanced-mem-tech.com

Company profile

Mem-Tech develops and markets low pressure ultrafiltration and nanofiltration membranes with breakthrough high flux.

Year of establishment: 2010

Background of the company

Mem-Tech's achievements to date:

- Breakthrough, high-flux membrane technology
- Ultrafiltration (UF) modules for desalination pretreatment show good initial results
- Pilots for UF SWRO pretreatment and tertiary wastewater treatment with Mekorot; investment from Mekorot
- Signed project MOU's; collaboration with clients and partners
- Completed Round A fund-raising
- Technology based on Technion-Israel Institute of Technology research (www.technion.ac.il)
- Leading strategic partner: Arkema (www.arkema.com)

Technologies & products

General description:

Mem-Tech has developed high flux membranes that operate at low pressure. Mem-Tech can tailor a range of high permeability membranes without sacrificing rejection to meet a variety of water treatment needs. Mem-Tech provides membrane filtration at lower cost with a reduced footprint.

Mem-Tech's next generation membranes with nanomaterials will significantly increase its already high flux, reduce compression and halve chemical cleaning.

Function of the product(s):

The Company's polymer enables high flux through its membranes at low pressure, for a clear competitive advantage:

- Less membrane area - **smaller footprint**
- Less pressure needed - **reduced energy usage**
- **Lower OpEx and lower CapEx**

Objectives / Target companies

Mem-Tech seeks to partner with membrane system providers that can integrate its high-quality elements and membranes into complete filtration solutions.



Category: Water and Waste Water Treatment

Sub Category: Municipal Water and Waste Water, Industrial Water and Waste Water

Contact: Ud Shani | shani@aqwise.com

www.aqwise.com

Company profile

Aqwise is a leading provider of biofilm-based processes designed to increase the capacity and efficiency of BOD and nutrient removal in water and wastewater treatment plants (WWTPs) utilizing various aerobic (MBBR, IFAS) and anaerobic (DANA, DACS) processes.

Aqwise has a diverse portfolio of integrated solutions and has over a hundred of municipal and industrial (Pulp & Paper, Food & Beverage, Petrochemical, Pharmaceuticals) plants successfully implemented worldwide.

Year of establishment: 2000

No. of employees: 50

Background of the company

Aqwise's technology is the successful result of more than a decade of intensive research and development. The technology is implemented in WWTPs worldwide.

Examples of projects

- Municipal WWTP for Altos Hornos in Monclova, Mexico
- Municipal WWTP in Marines, Valencia, Spain
- Industrial WWTP in Europaper Tissue Mill, Italy
- Industrial WWTP in Campina Dairy, The Netherlands
- Industrial WWTP in Teva Pharmaceuticals, Italy

Technologies & products

Biomass plastic carriers which suspend in the water and have a high protected surface area for growth of biomass, and so provide an advanced process for biological wastewater treatment.

Objectives / Target companies

Municipalities; Distributors; Contractors; Various Industries such as Pulp & Paper, Food & Beverage, Oil & Energy.



Category: Drinking water, Industrial Waste Treatment, Waste Water Treatment, Desalination, Water disinfection ends De - Chlorination

www.atlantium.com

Company profile

Atlantium Technologies Ltd., established in 2003, provides water-dependent industries with unique Hydro-Optic UV (ultraviolet) solutions that guarantee water bio-security for food safety and public health protection. The company's cost-effective and environmentally friendly solutions deliver unprecedented microbial Inactivation equal to heat pasteurization and chemical disinfection, but never before achieved with other UV systems.

Atlantium's Hydro-Optic systems are validated to strict US EPA (Environmental Protection Agency) protocols, and comply with FDA standards.

Year of establishment: 2003

No. of employees: 70

Background of the company

Atlantium Technologies Ltd. is a privately-held company established to provide the world with sustainable water disinfection solutions that guarantee safe water without harming the environment. The company's major shareholders are Benjamin Kahn, Elron Electronic Industries Ltd., Aster Capital and Aeris Capital. Atlantium has field-proven installations all over the world, and is the preferred water disinfection solution for leading global brands.

Examples of projects

Food & Beverages: Coca Cola, PepsiCo, Nestle, Danone

Bio-Pharma: Pfizer, Teva

Aquaculture: AquaChile, Marine Harvest

Municipal Water: New York & Pennsylvania state municipal water suppliers, Mekorot Israel's national water carrier.

Technologies & products

General description:

Hydro-Optic UV Water Disinfection and other Industrial Applications that have a quick ROI and save thousands of dollars in energy, water and production time.

Function of the product(s):

Several unique features position the Atlantium system as one of the most effective and reliable water disinfection systems on the market today, and the most sustainable.

- Fiber-optic and hydraulic principles maximize UV efficiency and reduce energy use.
- Medium Pressure broad-spectrum UV easily inactivates chlorine resistant pathogens such as Cryptosporidium, Pseudomonas and Giardia, and prevents microbial repair further down the line. It is efficient in cold and warm water.
- Integrated proprietary software enables real-time monitoring and control.
- Regulatory reports generated at the push of a button.

Objectives / Target companies

- Food & Beverage industry
- Dairy industry
- Bio-Pharma industry
- Aquaculture industry
- Municipalities and water suppliers
- AOP -Advance Oxidation Process treatment providers
- Shipping industry
- Power plants
- Engineering companies and process designers



Water Control Solutions

Category: Water Resources Management, Control Systems, Waste Water Treatment, Air Release

Sub Category: Control Valves, Air Valves, Control Systems, Control Solutions

Contact: Roni Ben Avraham | roniba@bermad.com

www.bermad.com

Company profile

BERMAD designs, develops, manufactures and markets state-of-the-art control valves, air release valves and related products, along with comprehensive system solutions for a range of water & fluid management needs for the Waterworks, Fire Protection, Irrigation and Landscape segments.

Year of establishment: 1965

No. of employees: 500 Worldwide

Background of the company

BERMAD knows the value of a single drop of water and how best to reap its full advantage. Today, BERMAD serves global customers in a wide range of disciplines. Bringing together its expertise and know-how, leading-edge technology and precision engineering, BERMAD provides customized solutions for the control and management of water supply and water saving anywhere in the world.

Examples of projects

Among the many projects that BERMAD has implemented:

- Potable Water System, Jerusalem Municipality, Israel
- A 320 km water supply pipeline, Lago Musters, Argentina
- Potable Water Systems, in collaboration with water companies in London, Manchester, Birmingham U.K.
- Water Carrier for Irrigation, Jujuy, Argentina
- Controlling 10,000 private farmers pumping from the same aquifer by 927 Hydrometers, Aquifer 23 & 24, Spain
- Three Gorges Dam and Power Station, China
- Other 40 Power Station all over China
- 1.O.1 and Hyatt Hotel, Shanghai, China

Technologies & products

General description:

BERMAD continues to develop, manufacture and market a wide range of water & fluid control management products that are sought, sold and serviced in nearly every country and every language. Some of these products include:

- 700, 700ES, 700EN, 800 & 400 Series - Hydraulic, diaphragm actuated control valves for multi-purpose applications. The Series ranges from 3/4" (20mm) to 36" (900mm) with working pressures up to 600 psi (40 bar).
- 900 Series - Hydrometers combining control valve and water-meter for irrigation applications and municipal water control systems.
- 100 and 200 Series ranging from 3/4" (20mm) to 4" (150mm) - Solenoid operated, plastic valves for all kinds of irrigation and water treatment applications.
- 400E and 700E Series- Deluge valves for fire protection High Hazardous applications

Function of the product(s):

BERMAD products are suitable for most water and fluid supply applications, meeting control needs such as: Pressure reducing and sustaining, Flow and level control, Pump, surge and burst control, Solenoid, electronic and multi-step digital operation; main modes of operation include electric and hydraulic On/Off operation, as well as hydraulic pre-set for modulation. Bermad Valves are producing to meet the highest and toughest standards of the world today.

BERMAD specializes in Air flow Control (AV) that plays a very important role in controlling liquid flow in pipelines.

Objectives / Target companies

Municipalities, Distributors, Contractors, Consulting & Water Co's



Category: Drinking water, Water resources management

Sub Category: Curing urban water pipeline leaks, Leakage repair, Non Revenue Water (NRW), Trenchless technology, Leak detection and repair

Contact: Peter Paz | peter@curapipe.com

www.curapipe.com

Company profile

Curapipe is a pioneering developer of a breakthrough leak curing solution for buried pipelines. Focused primarily on urban water distribution networks that constantly leak, Curapipe is positioning its solution as a low cost alternative to water mains renewal.

Uniquely repairing leaks and cracks that normally go undetected by existing detection technologies, bulk reduction of leakage is now made possible with minimal disruption and rapid deployment. Curapipe's technology platform is also suitable for future rollout in the oil and gas industries.

Year of establishment: 2007

No. of employees: 8

Background of the company

An early-stage company led by experienced management, Curapipe is poised to make a large and lasting impact on the pipeline repair industries.

As a veteran of the ATI Cleantech incubator the company's unique human resources (mostly PhDs) span multi-disciplines including hydrodynamics, materials, chemical & mechanical engineering and pipeline maintenance with proven track records of practical and applicable IP. With this talent Curapipe has now created an innovative and affordable trenchless repair category of undetected leakage in pipelines that has not been attempted to date.

Examples of projects

Recent pilot testing with Thames Water in London.

Technologies & products

General description:

Trenchless Automated Leakage Repair (TALR) which seeks to fill a requirement gap in the market for a trenchless intervention with minimal social and environmental disruption levels aimed at surgical leakage repair of water mains at low cost levels.

Function of the product(s):

TALR is an automated all-in-one system comprised of three distinct functions (a) leak detection within a pipeline section (b) instantaneous leak sealing and (c) long term leak curing.

Objectives / Target companies

Pilot tests with water utilities seeking a widespread solution for bulk leakage reduction in urban distribution networks. JV partnerships with strong local/regional maintenance companies providing services to water utilities.



Category: Water and Sewage supply, Waste water treatment, Desalination, Chemical and Petrochemical industry, Fire Fighting systems

Contact: Akiva Priker | akivap@hakohav.co.il

www.hakohav.com

Company profile

Hakohav valves which is part of Gaon Agro group was established in 1963 and is specialized in manufacturing and marketing unique and high quality valves.

Hakohav valves products are worldwide known for their reliability and durability even in tough working conditions.

Hakohav valves successfully marketed and operated in national & international desalination plants.

In 2007, Hakohav valves took over 100% of a specialized diaphragm valves manufacturing company KIM.

KIM diaphragm valves are worldwide known (since 1956) for their benefits in corrosion and abrasion resistance mainly in the industry market.

In 2011, Hakohav valves took over well reputable water meters company (since 1983), Madey Vered ("MV").

MV combines domestics and publics' standard water meters together with modern and unique technologies like automatic metering reading system (AMR).

Year of establishment: 1963

No. of employees: 75

Technologies & products

By using modern and advanced production technologies like Vulcanization and various types of Coatings including: Glass, Halar (ECTFE), Rubber, Epoxy, Rilsan (nylon 11) Plascoat (Thermoplastic), Plastic (ETFE, PFA etc) and Enamel, Hakohav valves provides solutions to a variety of applications including:

- Water & Sewage supply
- Water treatment industry
- Irrigation systems
- Desalination plants
- Cooling systems
- Fire fighting systems (UL/FM certifications)
- Industry plants (Chemical & Petrochemical, Food & Beverages, Pulp & Paper, Pharmaceutical, Oil & Gas and others).

Hakohav valves provides solutions in wide range of sizes (till 64") for different conditions, pressures and temperatures.

The main products lines are:

- Butterfly valves
- Gate valves
- Diaphragm valves
- Penstocks
- Water meters

Hakohav valves are ISO 9001:2008, CE & GOST approved.

Objectives / Target companies

To establish contact with national, regional and local institutions and companies in charge of dealing with water supply & treatment, potable water, water reservoirs, sewage water, pumping stations, sea water, desalination plants, agriculture, chemical & petrochemical industries, air cooling systems, fire fighting, food & beverage industries, pulp & paper industries process industries.



Category: Renewable energy

Sub Category: Hydroelectric turbines, Water, Pressure Control

Contact: Dr. Daniel Farb | dfarb@benkatina.com

www.leviathanenergy.com

Company profile

Year of establishment: 2008

No. of employees: 7

Background of the company

The company has a breakthrough product for production of energy from excess pressure in piping systems. The Benkatina Turbine is attached to the piping system.

Examples of projects

The Israeli national water system has bought these turbines for off-grid use to provide electricity for battery charging for reservoir security including lighting, personnel detection, and water sensors. A city in the Philippines successfully used the turbine to generate electricity for grid use.

Technologies & products

General description:

The Benkatina Turbine is a new way of doing hydroelectric energy, and is specially adapted to the needs of a piping system. Piping systems have variable flow rates; the turbine has very little loss of efficiency when operating away from its ideal flow rate and produces high efficiency (over 60%) even at low flows. It also helps maintain the exit pressure, which other turbine products do not do. It is a scalable solution, currently available in four-inch pipe size. It can be used for off-grid or on-grid projects. It is ecologically friendly as it doesn't require a dam when in rural areas and can use existing infrastructure in cities.

Function of the product(s):

To produce energy from piping systems, and to reduce leakage caused by excess pressure in piping systems.

Objectives / Target companies

- Meeting investors
- Meeting customers. Examples of customers are municipal and national water systems, irrigation systems, farmers, industrial water users (coolant water from thermal power stations, gray water from water treatment plants, mines, rural electrification from streams)
- Meeting partners for manufacturing, distribution, and sales.



Category: Drip and Micro-irrigation Technologies, Agri-Business Solutions, Greenhouse and Crop Management Technologies and Bio Energy solutions

Contact: Luca Olcese | luca.olcese@netafim.it

www.netafim.com

Company profile

Netafim is the global leader in drip and micro irrigation solutions for a sustainable future. With 27 subsidiaries worldwide, Netafim agronomists and engineers deliver optimal solutions to growers in over 110 countries, with 13 manufacturing facilities around the globe and over 3,000 employees.

Founded over 45 years ago, Netafim pioneered the drip irrigation revolution that has created a paradigm shift in low volume irrigation technology. Netafim is jointly owned by Permira (a private equity fund), Kibbutz Hatzerim and Kibbutz Magal. The company's annual sales surpassed 800\$ million in 2011.

Netafim is committed to providing a comprehensive service to its customers around the world. By working closely on-site with each customer, the company's specialists carefully study all relevant factors and the full requirements of the grower. Netafim offers a complete set of solutions customized to grower requirements and crop needs, for diverse climates and terrains worldwide.

Shareholders: Permira Fund (61%), Kibbutz Hatzerim (33%) and Kibbutz Magal (6%).

Year of establishment: 1965

No. of employees: 3000

Netafim in Europe

Netafim with subsidiaries in Holland, Germany, France, Greece and Italy as well as distribution and new production facilities in Spain, has been working intensively in Europe for more than 35 years.

Netafim has introduced the micro irrigation in more than 50 types of crops bringing water, energy and fertilizers economization as well as yields and uniformity increase.

In all its European localizations Netafim is offering the same quality knowledge and state of the art solutions through highly qualified and well trained personnel.

Technologies & product(s)

Agriculture: Worldwide leader in agro-technical practices, training and R&D. The company's teams accompany the customer from the planning phase through crop management up to harvest.

Landscape Irrigation: Advanced water conservation practices and technologies for landscape irrigation.

Mining: Uniform coverage while minimizing clogging and ensuring optimal functionality throughout the entire leaching cycle.

Greenhouse Technology: Broad agronomic support. Advanced climate-control and irrigation solutions, monitoring sensors and turnkey solutions.

Projects & Engineering: From initial specifications through detailed design and up to system implementation. Systems are designed according to specific local conditions, including crop, soil, climate and water resources

Continuous Education and Training: Netafim holds professional mini-courses, seminars, tours and workshops.

Top Quality is Our Top Priority: Commitment to quality is a core value and uncompromising standards are applied to every facet of business, from refining development procedures through conducting exhaustive field tests to optimizing production techniques.

Objectives / Target companies

As the world's population continues to rise and the natural resources come under pressure, more efficiency makes more sense than ever. At Netafim, we help our customers produce more yields and better crops with fewer resources. We help the world grow more with less.

It is our purpose to leverage Netafim's knowledge and position as global leader through Efficient, Innovative and Sustainable Agro-irrigation solutions.



Real Time Remote Control and Monitoring

Category: SCADA, Telemetry, Analyzers and control systems

Sub Category: Drinking water, Industrial waste treatment, Renewable energy, Waste water treatment, Water security, Water resources management

Contact: Shaul Rom | shaulr@realiteq.com

www.realiteq.com

Company profile

Year of establishment: 2007

No. of employees: 9

Background of the company

Realite Technologies LTD., a private owned company is a sister company to Topco C&A LTD. and NC Engineering LTD., both well established firms with more than 20 years of experience in control systems and SCADA.

The company provides connectivity and data management services to municipalities, Utilities, associations and others.

Examples of projects

- Remote optimization and Real Time Remote Control for cooling water systems.
- Real Time management for VPP (Virtual Power Plants) and Smart Grid.
- WEB SCADA for Pumping Stations spread countrywide.
- Water efficiency and leakage detection/Prevent in large systems.
- Remote Monitoring of Solar and Wind Power Systems.
- Diesel Generator Load Shading management solution

Technologies & products

General description:

RealiteQ is a Virtual IT infrastructure that facilitates Real Time monitoring, controlling and data acquisition of remote systems that are distributed at various locations and worldwide.

RealiteQ solves Real Time Data, Continuous Historian, Alarm Handling, Visualization and Remote operation. RealiteQ supports Analytic, Optimization and other 3rd party applications.

Function of the product(s):

RealiteQ Secured streaming technology allows critical events to be monitored and controlled over all public networks (cellular, satellite, xDSL).

RealiteQ is a highly secured yet open platform, and so it enables various type and 3rd party solutions interfacing.

RealiteQ harnesses the power of Internet and Cellular standards to offer unparalleled performance, scalability and ease of use for Global Water, waste and Energy control.

RealiteQ is a complete end-to-end.

Objectives / Target companies

Cooperation with OEMs and integrators with national and international projects.



Category: Analyzers and control systems, Drinking water, Water resources management

Sub Category: Leakage Reduction Utilizing Real-Time Pressure Management

Contact: Shlomo Avitbul | streamcontrol@o12.net.il

www.stream-control.com

Company profile

Stream Control Ltd. has developed Aqua-Guard, a product designated to reduce water loss in municipal water systems, by pressure management.

The company is consisted of a team of experts in the fields of water hydraulics, control, hardware and software.

The main goal of Stream Control is the development, production and marketing of systems for leakage reduction.

Year of establishment: 2004

Number of employees: 5

Background of the company

The company was founded in Israel in 2004 by development experts in the fields of hydraulics, computerization and control, and made its first product development step at the technological incubator of Yozmot HaEmek Ltd., Israel.

Examples of projects

Jerusalem city - The product was installed at the entrance of an old neighborhood, suffering from massive physical deterioration of the pipeline system. Aqua-Guard reduced the neighborhood's water loss by 30%.

Technologies & products

General description:

Aqua-guard is a Smart Pressure Reduction Controller that integrates elements of hardware, software and hydraulics, capable of decreasing water loss in municipal water supply systems by up to 50%.

The Aqua-Guard idea was generated at Stream Control Ltd. by a team of engineers with extensive technical experience in developing similar projects and well acquainted with the world market for water control products.

Function of the product:

The Aqua-Guard controller provides a comprehensive solution for the leakage problem by Pressure management and actively controlling the Pressure Reducing Valves (PRV's), found in all municipal water supply systems at the point where the piping network of a neighborhood is connected to the city's main water system.

The Aqua-Guard controller dynamically changes the pressure applied to the network according to the actual demand for water, resulting in significant leakage reduction.

Throughout the daily demand cycle, especially during night and midday, when pressure grows due to diminished demand, the leakage increases greatly.

Aqua-Guard, the product that Stream Control innovated, reduces the pressure when it is not needed, and as a result reduces the leakage considerably.

Objectives / Target companies:

- Local water companies or municipal water departments.
- International Hydraulic pressure valves manufacturers.
- International suppliers of equipment for municipal water systems.

All over the world, especially in Europe, South America and U.S.



Category: Water Filtration

Sub Category: Drinking Water, Industrial Wastewater, R&D

Contact: Ben Perlman | ben@wfi-group.net

www.wfi-group.net

Company profile

Year of establishment: 2007

No. of employees: 7

Background of the company

ToxSorb Ltd. (a subsidiary of the Water Fund Investment Group), is a water technology company specializing in the development of filter media based on Modified Activated Carbon (MAC), engineered to treat both organic and inorganic pollutants in water. Founded in 2007, ToxSorb offers a robust and cost effective platform for removing heavy metals, and other specific contaminants from both wastewater and drinking water. ToxSorb's MAC media for Arsenic, Perchlorate and Chromate removal is certified for drinking water uses by the National Standardization Foundation (NSF), under standard 61.

ToxSorb is a full-service company with the capability to develop specialized media and implement large scale projects in Israel and abroad. The core of the company is composed of a highly skilled team of researchers and enjoys the services of a well-equipped laboratory, which enables analysis and lab pilots to be conducted. ToxSorb also employs an in-house operational team, with extensive experience in construction, maintenance and operational oversight.

Examples of projects

ToxSorb's MAC technology has been proven to remove the following pollutants: Chromate (CrO_4), Arsenate (AsO_4), Perchlorate (ClO_4), Phosphate (PO_4), Sulphate (SO_4^{2-}), Nitrate (NO_3^-), Nickel (Ni), Copper (Cu), Permanganate (MnO_4), Silver (Ag) etc.

ToxSorb's media has been successfully operating in industrial heavy metal removal applications of for over 3 years.

Technologies & products

ToxSorb's MAC platform is a technological evolution of traditional activated carbon, which is a well-established technology for organic contaminants in water. This is achieved by chemically modifying the activated carbon, enabling the removal of a wide variety of inorganic pollutants, while maintaining its original adsorption capabilities for organic pollutants. Each platform can be engineered to have an affinity and selectivity towards a specific type of pollutant, while non-toxic molecules pass through the filter. This platform is inexpensive to maintain, due to a regenerative process that enables the reuse of the filter, without producing large quantities of brine.

Objectives / Target companies

ToxSorb sees a wide range of treatment applications for its MAC platform due to the efficiency and economics of the technology, and the needs in the global marketplace to combat dangerous pollutants like arsenic, chromium & perchlorate.

Our current objective is to implement drinking & industrial wastewater filtration systems abroad, with a focus on mining wastewater, municipal drinking water treatment, groundwater contamination and industrial wastewater applications. We are actively targeting technology integration companies, environmental consulting companies and large filtration companies with an interest in marketing, selling and implementing new technologies.



Category: Analyzers and control systems, Drinking water, Industrial waste treatment, Water security, Water resources management

Contact: Amit Berkovich | amitb@w-water.com

www.w-water.com

Company profile

Whitewater Technologies is a leading provider of smart water network management solutions to utilities and industrials.

Year of establishment: 2007

No. of employees: 62

Background of the company

Our offerings focus on unlocking available capital through increasing operating efficiency. The technology serves the needs of the entire organization through knowledge sharing, managing workflows, optimizing plant and distribution operations, enabling total management of water quality, and critical security awareness.

The principal is simple, we use data that already exists in utilities information and operational technology environments to increase network efficiency. Our team of leading scientists and solution experts, combined with a strong partnership network, will help your organization monetize existing data.

Examples of projects

- Akron - WaterWall™
- Philadelphia Water Department - BlueBox™
- Hgihon, Jerusalem - Waterwall™

Technologies & products

General description:

- **WaterWall™ Water Network Management Solution** - A platform based software solution for smart water network management. By focusing on the synchronization of relevant discrete and continuous data feeds, the solution's configurable application packages enable knowledge sharing, workflow management, optimization and automation of operations, and the assurance of water quality and security.
- **BlueBox™ Intelligent Water Analytics System** - A sophisticated self-learning water analytics software tool which supplements SCADA's ability to analyze continuous data streams in real-time. Through a unique process of learning how combinations of water quality parameters interact with operational and mechanical parameters, the system provides insights on distribution network behavior.
- **CheckLight Online** - An online continuous toxicity analyzer, using non-pathogenic luminescent bacteria as living sensors.

Objectives / Target companies

We would like to find more opportunities for commercial engagement with water utilities and industrials from around the world. As a sales strategy we prefer to work indirectly in most markets, and as such are looking to open new strategic channels with business partners, with which we will be able to join forces and go to market together.



The Israel Export & International Cooperation Institute

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