



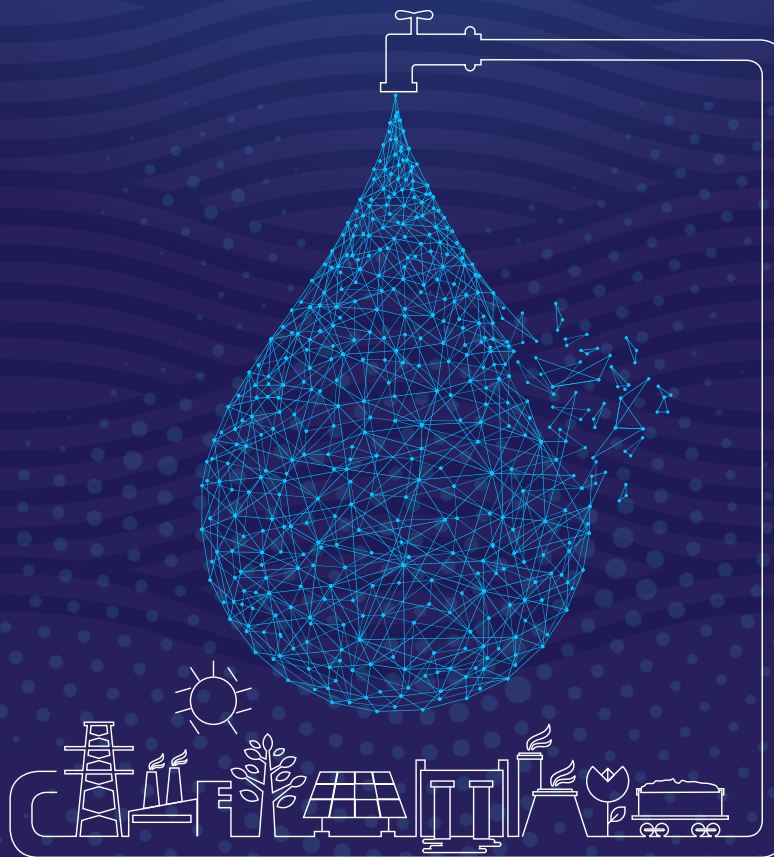
ISRAEL EXPORT INSTITUTE



Ministry of Economy and Industry  
Foreign Trade Administration

# DIGITAL WATER ISRAEL VIRTUAL EXPO

NOVEMBER 11 - 10 | 2020



In cooperation with:



State of Israel  
Ministry of Water Resources





**ISRAEL EXPORT INSTITUTE**

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**Ministry of Economy and Industry**  
Foreign Trade Administration

## Foreign Trade Administration

Israel's Foreign Trade Administration at the Ministry of Economy is responsible for managing and directing the international trade policy of the State of Israel.

The Foreign Trade Administration operates over 45 economic missions in countries all over the world. Each of the missions has a team that is dedicated to fostering trade and investment between local companies and Israeli companies.

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## Companies by Category

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## ARI-Dorot Digital Solutions for Smart Water Management

[www.dorotdigitalsolutions.com](http://www.dorotdigitalsolutions.com)



### Categories

- Water Management
- Valves & Connectors
- Measurement & Analyzing
- Engineering and Planning
- Control & Communication
- NRW

### Product Description

A.R.I.-Dorot is a world leader in the field of control, monitoring and management of liquid conveyance systems, providing optimal solutions for surge protection, water loss reduction and pressure control by integrating uniquely developed products with innovatively designed software. The company is widely recognized as a manufacturer and developer of sustainable leading-edge technologies and solutions for water control and optimization systems.

A.R.I.-Dorot's hi-tech hydraulic solutions lead the industry in water technology advancement by providing up-to-date innovations, smart systems and solutions that contribute to, and enhance the water industry.



# AGM Communication & Control



Master your network, bring all existing and new assets under a single system deployment

[www.agm.co.il](http://www.agm.co.il)



## Categories

- Water Management
- Control & Communication

## Product Description

R-WIN Network of Networks:

- Communication hardening and standardization
- Data Traffic optimization
- Push by Exception
- Vendor and Protocol Agnostic
- Resilient distributed network architecture
- Simplify Network Complexities
- Phased Migration with Zero downtime
- Codeless deployment





Amiad Water Systems knowledge and capabilities provide the most suitable solutions for customers filtration challenges.

[www.amiad.com](http://www.amiad.com)



### Categories

- Filtration & Purification
- Control & Communication
- Waste Water Treatment & Reuse

### Product Description

The innovative ADI-P Controller operates the automated processes that flush our self-cleaning filters, allowing easy and convenient control and monitoring. Paired with the user-friendly ADI-P app that provides direct access to filtration performance data, we put the control in your hands. With 4 filtration technologies under one roof (screen, disc, microfiber and media) and a broad range of automatic, semi-automatic and manual filters, we offer you the best solutions for your water filtration needs.



# Aquarius Spectrum

Acoustic leak detection solutions for water loss prevention, pipe condition assessment and optimization of maintenance & operational costs.

[www.aqs-systems.com](http://www.aqs-systems.com)



## Categories

- Water Management
- Measurement & Analyzing
- Leak Detection

## Product Description

Aquarius Spectrum developed acoustic solutions to enable proactive monitoring of municipal water distribution network, thereby detecting and locating hidden leaks and assessing the pipes condition. Using our patented technology, water utilities significantly reduced their Non-Revenue Water as well as M&O costs. Our solutions include a fixed all-time remote monitoring system and a smartphone-based leak detection system. Our AQS-SYS continuous leak detection provides daily alerts of suspected leaks and their exact locations on a GIS map. The iQuarius transforms any android Smartphone into a leak detection device with which you can easily pinpoint leaks by listening, surveying and performing correlation.



Arad Group is a world leader in the field of water metering, offering a full integrated water measuring solution.

<https://arad.co.il/>



## Categories

- Water Management
- Measurement & Analyzing

## Product Description

### Sonata Ultrasonic Residential Water Meter

The Sonata is an advanced, highly accurate ultrasonic smart water meter and data end-point for residential applications. With no moving parts, the Sonata's robust design ensures reliable and long lasting precision. Its technology enables the measurement of the lowest flow rates, making it the best solution for addressing NRW (Non-Revenue Water).

### Octave Ultrasonic Bulk Water Meter

A revolutionary, precise and ultra-reliable ultrasonic bulk water meter with no moving parts. With superior hydraulic and batteries that last up to 15 years, the Octave is today's best choice for bulk meters for Utilities, Waterworks, industrial and agricultural.





# Beezz Communication Solution



Beezzs purpose-built IoT security platform provides vendor agnostic IoT security to IT by intelligently protecting IoT devices that connect via carrier networks.

[www.beezz.io](http://www.beezz.io)

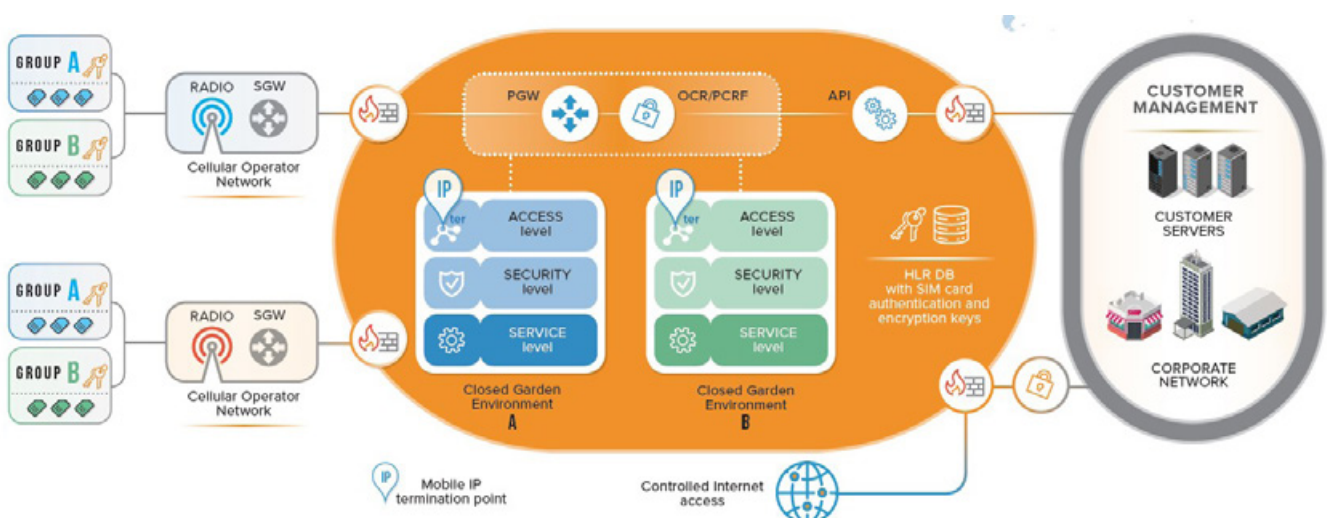
## Categories

- Water Emergency & Security
- Cyber IoT

## Product Description

Beezzs purpose-built IoT security platform provides vendor-agnostic IoT security to IT by intelligently protecting IoT devices that connect via carrier networks.

The Beezz value proposition is to physically and logically protect IoT network segments from any unauthorized intrusions, while simultaneously providing a unified IoT security management platform regardless of IoT device manufacturer or feature sets. The Beezz platform is a one-stop-shop that includes optional worldwide connectivity for IoT networks, security, management, and an IoT support dashboard. With proprietary Closed-Garden and anomaly detection algorithms, the Beezz platform supports millions of separate systems that ensure secure IoT connectivity needs with no agent/client on the device.



## BERMAD C.S

We are experts in water flow management. We design, manufacture & supply products & solutions to enhance & protect water systems in Waterworks, Irrigation, Buildings, Mining & Fire Protection.



[www.bermad.com](http://www.bermad.com)



### Categories

- Water Management
- Valves & Connectors
- Engineering & Planning
- Water Emergency & Security
- Control & Communication

### Product Description

Omega 542 is BERMAD's advanced cloud-based irrigation controller, offering anywhere-anytime connectivity to your irrigation system using BERMAD IR-Cloud service as well as Omega App. local Smartphone operation.

Omega 542 is a standalone battery-operated controller, specially designed to provide user-friendly and cost effective solution for simple small plot irrigation offering volumetric and time-based control.

This is one out of many BERMAD products which we offer to the market, with IOT connectivity, which can be used in any remote application.



## Hydrantech



Hydrantech empowers water utilities.  
Making hydrants INTELLIGENT dramatically  
improves efficiencies and the bottom line!

[www.hydrantech.co.il](http://www.hydrantech.co.il)



### Categories

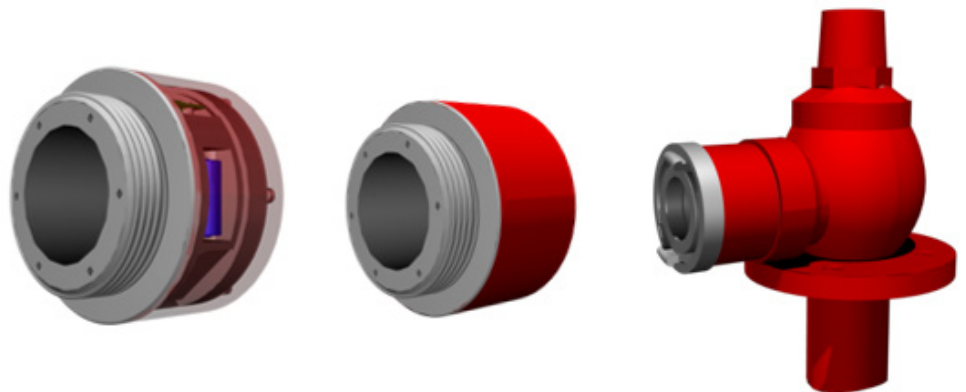
- Water  
Emergency &  
Security
- Cyber IoT

### Product Description

HYDRANTECH technology enables water utilities the ability to automate water audits designed to compare volumes of water treated to volumes released from fire hydrants for fire fighting and other community uses.

Having a SMART meter that can track consumption at the point of use by end-user, location, and volume enables utilities to ensure they are able to track and control revenue for services rendered.

WaterEye upgrades a standard fire hydrant with an intelligent metering device designed to automate the collection of real-time events associated with scenarios of backflow, water theft, permit validation, maintenance, and asset tampering.





IOSight provides a water-specific best-in-class data management and analytics solution for water utilities and authorities.

[www.iosight.com](http://www.iosight.com)

## Categories

- Water Management
- Measurement & Analyzing
- Engineering & Planning
- Desalination & Brackish Water
- Waste Water Treatment & Reuse

## Product Description

iGreen is an end-to-end data management and analytics platform for smart water. iGreen safely, systematically, and reliably, collects large amounts of data from various sources (SCADA, historians, lab, online sensors and more) via a variety of interfaces. The collected data is cleaned, validated, and stored in a modeled SQL database, where it is processed, analyzed, restored, and presented in the form of meaningful significant outputs, including reports, online dashboards and decision support tools.

IOSight's algorithm-based advanced analytics decision support systems are focused on ensuring quality and safety, and reducing expenses through anomaly detection, early fault prediction and operational optimization algorithms.



# Kando



Kando is an environmental data company using digital solutions to support environmental health and sustainability.

[www.kando.eco](http://www.kando.eco)



## Categories

- Water Management
- Measurement & Analyzing
- Water Emergency & Security
- Waste Water Treatment & Reuse

## Product Description

Kando is an environmental technology and data company, committed to developing and deploying innovative digital solutions to support improved environmental health and sustainable ways of living. Initially specializing in delivering insights from within wastewater networks, Kandos solutions allow water utilities to detect, track and anticipate events in their wastewater systems in real-time (such as pollution events). By extracting data from sewers with unique wireless IoT units, and using advanced, cloud-based data analytics, Kando provides decision makers with reliable, actionable insights to optimize their operations through a SaaS structure.



## Lishtot

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Lishtot developed products that can detect contamination in water in two seconds without even touching the water

[www.lishtot.com](http://www.lishtot.com)



### Categories

- Measurement & Analyzing
- Water Emergency & Security

### Product Description

TestDrop is the first and only non-contact, hand-held, instant-result water quality sensor on the market today. Based on a patented and validated technology tested by leading institutions and laboratories and used by thousands of users around the world, TestDrop offers an answer to the vexing question of our generation is this water safe to drink quickly, confidently, and nearly independently of the specific type of the contaminant.

Lishtot is developing an automated device that will be integrated into the water system and will indicate if the water contaminated or not in real-time. Beta installations expected to be on Q2 2021





# Mitel Communications

Mitel Communications provides utility IoT solutions for metering, sensor data acquisition, or asset management applications.



[www.mitelcom.com](http://www.mitelcom.com)



## Categories

- Water Management
- Measurement & Analyzing
- Control & Communication
- Leak Detection

## Product Description

Nowadays, Advanced Water Management is a necessity. Within Smart City environments, there are numerous assets and sensors that need to be monitored. The two basic components required to effectively manage a water system are the availability of data and the tools to manage that data.

Mitel Communications has developed and deployed a technology for collection of data and monitoring of sensors at remote locations.

Mitel provides utility IoT solutions based on wireless (RF) and cellular technologies that have been implemented in a variety of applications including: water, gas and electricity metering; crop management; sub-metering; sewer level monitoring; and asset management.



Total flow control solutions with broad product portfolio

[www.talis-group.com](http://www.talis-group.com)



### Categories

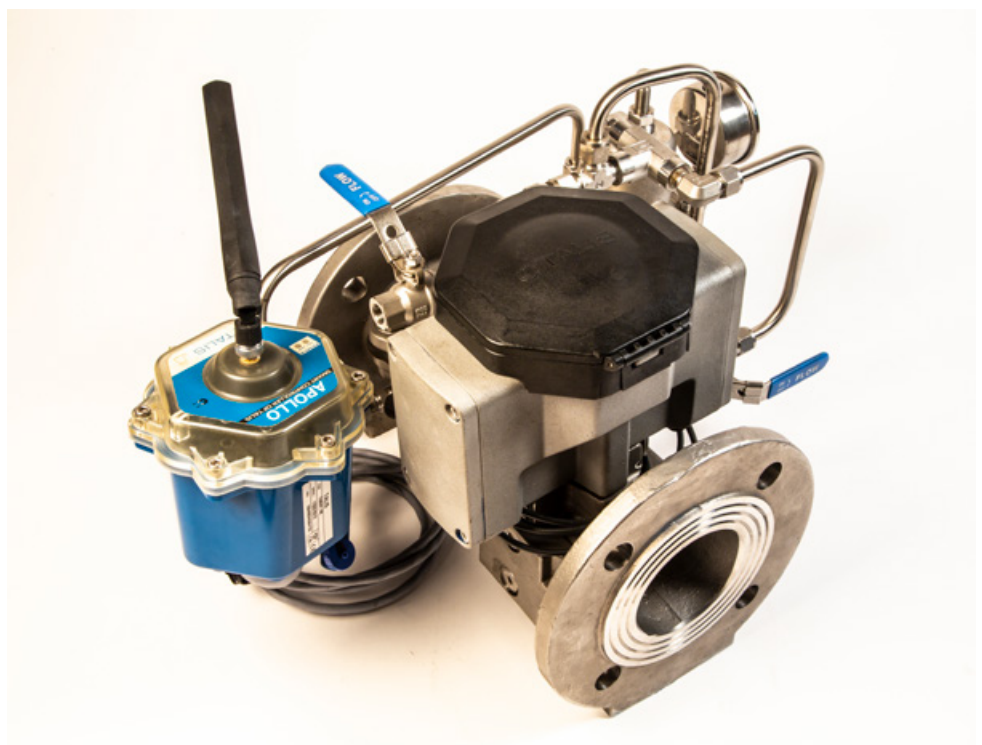
- Water Management
- Valves & Connectors
- Measurement & Analyzing
- Desalination & Brackish Water
- Control & Communication
- Waste Water Treatment & Reuse
- Leak Detection

### Product Description

A combination of traditional hydraulic and mechanical valves with high technology products designed for AMI/AMR Systems, including hardware and software:

- ULTRAF: the unique Ultrasonic Hydrometer in the world.
- Apollo: advanced Data Logger with transmission and remote control capacity.
- ZEUS: Software for data management and remote control.

The idea is to develop products and systems in the most cost-effective way, which can make the difference in one of the biggest worldwide environment problems, the Water Loss.



RealiteQ IIoT & cloud-based comprehensive (Data acquisition, telemetry, HMI & analytics) new generation of SCADA

[www.realiteq.com](http://www.realiteq.com)



## Categories

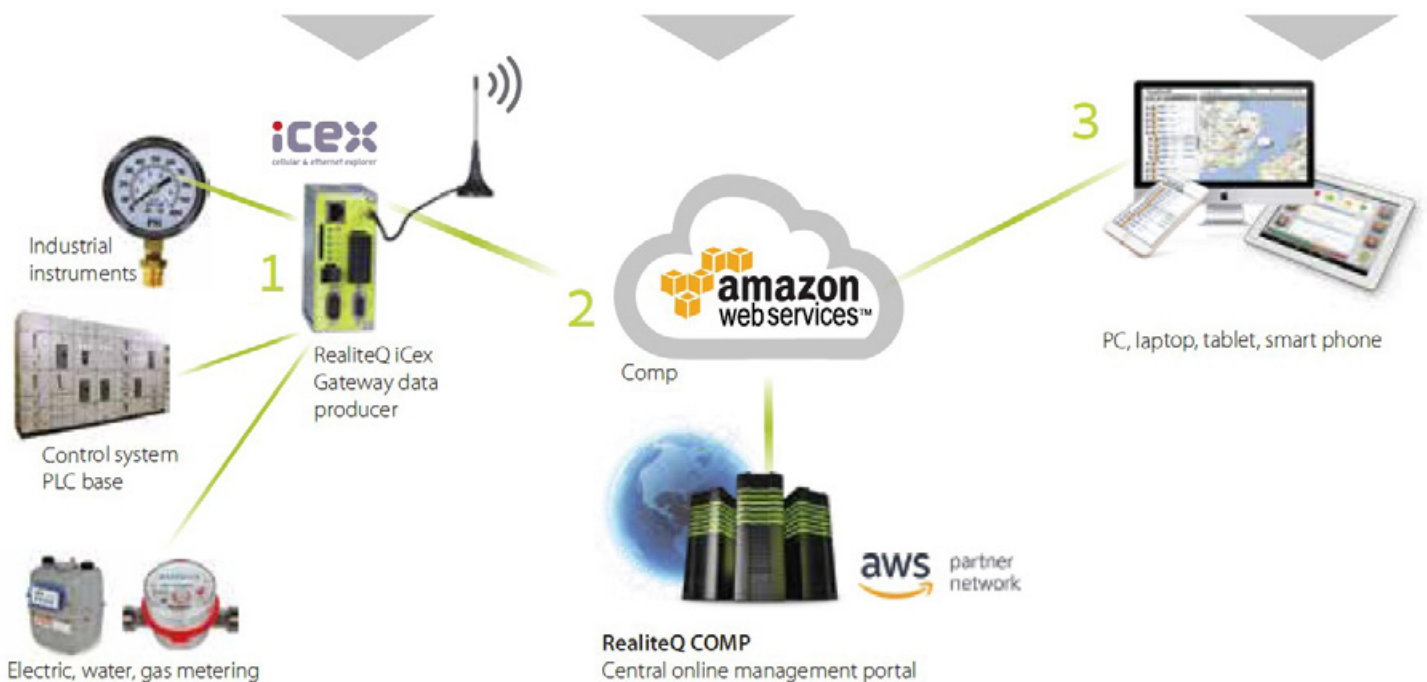
- Control & Communication

## Product Description

RealiteQ - most advanced Smart Water Network solution available. Its much more than just SCADA, it's a single source solution for data acquisition, communication, remote control & monitoring, HMI & data-analytics.

RealiteQ reduces initial and operational costs through adoption of IoT and cloud computing technology. RealiteQ gathers and controls critical and operational-data in real-time from sensors, analyzers and controllers and can remotely control devices, facilities and networks.

RealiteQ requires simple, fast & nondestructive installation. Is easy to use and maintain. No special IT infrastructure or capabilities are required. It is highly secured and safe, and most important its affordable.





## Stream Control Ltd.

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Stream Control provides solutions that enable water utilities to lower leakage and improve profitability.

[www.stream-control.org](http://www.stream-control.org)



### Categories

- [Water Management](#)

### Product Description

With water loss costs reaching \$14B/year, increasing water scarcity and repair expenses mounting, lowering leakage and enhancing network operations are strategic goals for any water utility.

Stream Control develops and markets Aqua-Guard , an patented state-of-the art integrated system providing a comprehensive solution for Dynamic Pressure Management, allowing utilities to lower leaks and improve network management.

With Aqua-Guard utilities can optimize pressure dynamically, based on actual demand in real-time. With the right pressure delivered at all times, utilities benefit from lower pipestress, decreased leakage as well as improved service level to customers.



TaKaDu Central Event Management (CEM) empowers water utilities to manage their networks proactively and efficiently

[www.takadu.com](http://www.takadu.com)



## Categories

- Measurement & Analyzing
- Leak Detection

## Product Description

Reduce water loss and improve operational efficiency and customer service with a single software solution that leverages all your different data sources and delivers actionable insights across your organization. TaKaDu Central Event Management (CEM) empowers water utilities to manage their networks proactively and efficiently, resulting in dramatically lower NRW, improved service continuity and lower costs.

A cloud-based SAAS platform in use at dozens of utilities worldwide, TaKaDu offers proven value by enabling billions of liters of water savings annually, reducing time to repair, and driving data-driven decision making for more efficient operations.



Utilis provides SAR analytical solutions to locate different types of sub-surface water.

[www.utiliscorp.com](http://www.utiliscorp.com)



## Categories

- Water Management
- Measurement & Analyzing
- Engineering & Planning
- Water Emergency & Security
- Leak Detection

## Product Description

Utilis' technology was initially invented to locate water on other planets. Utilis uses L-Band synthetic aperture radar (SAR) imagery and turning it into actionable data to detect subterranean saturated soil. With our patented technology, Utilis changes completely the way water utilities manage their leak detection program for both potable water and wastewater. Furthermore, using SAR analytics allows Utilis to analyze thousands of square kilometers, thus providing data of soil moisture content that can be used as an early warning tool for railways and roadways monitoring to prevent slope failures and potential landslides.



## VBact Ltd.

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VBact provides innovative real-time, automated, continuous, reagent-free systems for bacterial detection and enumeration in water

[www.vbact.com](http://www.vbact.com)

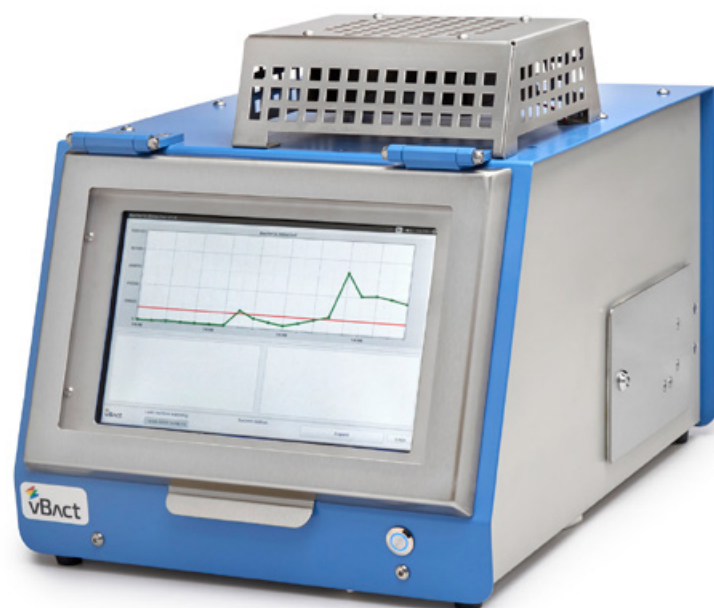
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### Categories

- Water Management
- Measurement & Analyzing
- Engineering & Planning
- Water Emergency & Security

### Product Description

VBact develops and manufactures novel and patented real-time, automated, continuous systems for detection and enumeration of bacteria and micro-particles in water. VBact product line is called Bacterial Water Scanner. The Scanner has many unique features: in-line sampling configuration for flexible sampling along water systems and production lines; fully automated operation; 24/7 continuous monitoring - avoiding sampling gaps; reagent-free analysis; and, highly simplified operation; VBact enables direct analysis of water into digital insights. It uses novel Direct Imaging technology and AI algorithms based on single bacteria/object analysis, together with fluid management unit to control various sampling / operational requirements.





## Watergen

Creating Drinking Water from Air For  
People Everywhere



[www.watergen.com](http://www.watergen.com)



### Categories

- Water Management
- Filtration & Purification
- Water Emergency & Security

### Product Description

Watergen provides a game-changing water-from-air solution, based on proprietary, patented GENius technology. Using humidity in the air to extract clean, fresh drinking water for people everywhere, the company has devoted its innovation to the task of helping the world's water crisis. Watergen's water atmospheric generators (AWG) range is compatible with various applications. Home-office scale GENNY can produce up to 30 liters of drinking water per day; the medium-scale GEN-M produces up to 800 liters of drinking water per day, and industrial, large-scale generators can make as much as 5,000 liters of water per day.



## WINT

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WINT detects leaks in real-time using artificial intelligence. WINT devices alert maintenance staff and can automatically shut off water when needed.

<https://wint.ai/>



### Categories

- Water Management
- Valves & Connectors
- Measurement & Analyzing
- Control and Communication
- Leak Detection

### Product Description

WINT helps organizations, facility managers, sustainability teams and manufacturers manage their water effectively.

Our solutions measure water flows and report them remotely. They identify anomalous consumption and stop water leaks at the source using advanced data analysis technologies.

WINT alerts when water is leaking and automatically shuts it off.

WINT analyzes water flows using artificial intelligence, machine learning, pattern matching and signal processing. It combines high accuracy metering with advanced data analytics.

The technology behind it ensures operational efficiency and ease of use for sustainability and facility teams at all levels.

WINT serves the world's largest facilities and manufacturing organizations.





## Woosh Water Systems Ltd.



Woosh the perfect drop of water.  
An innovative water-treatment technology,  
designated for the Point-of-Use.

[www.wooshwater.com](http://www.wooshwater.com)



### Categories

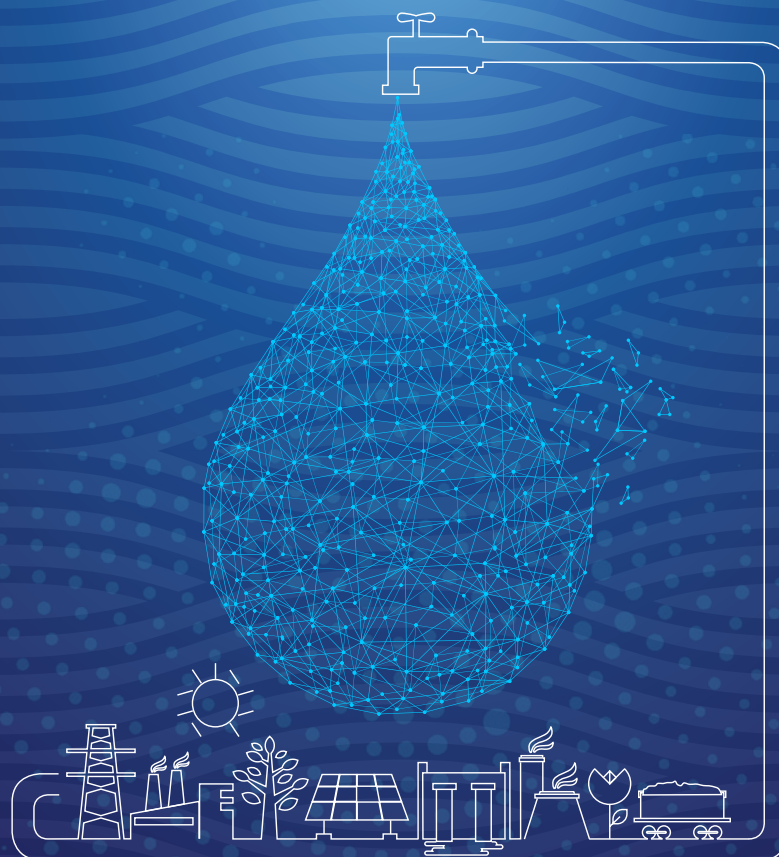
- Water Management
- Measurement & Analyzing
- Filtration & Purification
- Control & Communication

### Product Description

Woosh was founded with a vision to provide the perfect alternative to plastic bottled water. We believe that by offering a high-quality sustainable solution for water consumption, we will make a positive effect on both public health and the environment.

Woosh Smart Water Stations are specifically designed to provide a chilled and purified water in high volumes. The stations allow users to sanitize their bottle and then fill it with ultra-purified water, using our patented ozone-based water-treatment technology. The smart solutions stations are internet-connected and remotely monitored for tracking of usage, technical status, quality-control and much more.





# DIGITAL WATER ISRAEL

## VIRTUAL EXPO

This publication is for informational purposes only. While every effort has been made to ensure the information is correct, The Israel Export & International Cooperation Institute assumes no responsibility for damages, financial or otherwise, caused by the information herein.

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