



SUSTAINING THE FUTURE

aqana

aqwise

# Multi-Disciplinary In-House Expertise

---

For over four decades, BlueGen Water has been a cornerstone in providing comprehensive solutions for water and wastewater treatment to governmental, municipal, and industrial sectors worldwide, while integrating Best Available Technology (BAT) into cost-effective, and reliable processes. We specialize in developing tailor made processes to comply with water scarcity, environmental regulations and global warming.



# Completing the Water Cycle



BlueGen Water offers design, supply and full O&M services for a range of solutions:

## Desalination

Our solutions span from design and construction to commissioning, and O&M of mega-scale SWRO & BWRO low cost desalination plants. Our prefabricated modular, and containerized water treatment, Capsule™ units, ensure high recovery ratios, superior quality, energy efficiency, and operational reliability.

## Industrial and Process Water

BlueGen Water specializes in providing high water recovery rates with energy demand, enabling water reuse or safe discharge while ensuring operational success.

## Municipal Wastewater Treatment and Reuse

BlueGen Water offers proven cost-effective wastewater treatment solutions based on energy efficiency, minimal footprint & operational simplicity.

With expertise in AGAR® MBBR, AGAR® IFAS, CAS and MBR processes, we aim not only to treat wastewater but also to provide alternative water sources, contributing to a cleaner and sustainable future.

Our AGAR® PnP (Plug & Play) aimed for small communities is a compact, automated decentralized WWTP mitigating water scarcity and pollution, with quick installation and global shipment for diverse applications.

## Industrial Wastewater Treatment and Reuse

Our tailored solutions for industrial wastewater treatment meet the unique requirements of diverse sectors.

Using proprietary technologies such as desalination, AGAR® MBBR, and DACS® or common processes such as MBR & EDR, BlueGen Water helps clients achieve discharge standards, reduce operational costs, and meet corporate ESG targets.

## Groundwater Remediation

BlueGen Water specializes in groundwater remediation, employing proven methods prioritizing regulatory and EHS compliance. We provide sustainable solutions, contributing to a cleaner, eco-friendly future with innovative technical approaches.

## Operation & Maintenance

Our O&M services offer well-trained onsite experts and advanced monitoring systems to reduce operational costs and enhance productivity. BlueGen Water provides complete O&M services for new, retrofitted, and existing plants.

# Featured Projects

---



## Surface Water Treatment Plant

Agra, India

163,000 m<sup>3</sup>/d of drinking water

Client: City of Agra

Technology: MBBR, BNR



## Anaerobic Wastewater Treatment Plant

Valencia, Spain

23 ton COD/d m<sup>3</sup>/d

Client: Zuvamesa, Orange processing

Technology: DACS®



## F&B Industrial WWTP

Baku, Azerbaijan

2700 m<sup>3</sup>/d Industrial; 50 m<sup>3</sup>/d Municipal

Client: Coca Cola

Technology: AGAR® MBBR, AGAR® Media Clarifier



## Municipal WWTP

Rome, Italy

2,500 m<sup>3</sup>/d

Client: ACEA, Settecamini

Technology: Retrofit AGAR® IFAS



### **SWRO Desalination Plant**

Palmachim, Israel

100,000,000 m<sup>3</sup>/year seawater RO desalination plant

Client: Israeli Government

Technology: MMF, RO, re-mineralization



### **O&G Industrial Effluent Reuse**

Haifa Bay, Israel

5,500,000 m<sup>3</sup>/year industrial wastewater treatment plant

Client: Bazan oil refinery

Technology: MBR, RO, EDI



### **Municipal WWTP**

Acre, Israel

13,000,000 m<sup>3</sup>/year municipal wastewater treatment plant

Client: Four Western Galilee municipalities & regional councils

Technology: CAS, Thermophilic anaerobic digestion



### **Powerplant Water Treatment Facility**

Yerevan, Armenia

70,000 m<sup>3</sup>/year demin water plant

Client: SIEMENS (Germany)

Technology: UF, RO, EDI

# BlueGen Water

---

Established in 1988, BlueGen Water is a leading global solutions provider for desalination, water and wastewater treatment. As a fully owned subsidiary of Generation Capital, the largest Israeli listed Energy & Infrastructure Investment fund, BlueGen Water is focused on completing the water cycle. GES, Aqwise Technologies and Aqana, its primary subsidiaries offer biological aerobic and anaerobic wastewater treatment technologies. Our diverse business models, including BOT, EPC, and DBOF, demonstrate our adaptability and commitment to excellence.

At BlueGen Water, we are committed to innovation, sustainability, and providing reliable solutions for a cleaner and more resilient future.



Join us in **SUSTAINING THE FUTURE**



✉ [info@bluegenwater.com](mailto:info@bluegenwater.com)  
🌐 [www.bluegencorp.com](http://www.bluegencorp.com)  
📍 35 Menachem Begin Blvd.  
Tirat Carmel, Israel, 3952065