



# Fluence Corporation

## Municipal Water & Wastewater Solutions

### STATEMENT OF QUALIFICATION

We deliver cost-effective water, wastewater, and reuse solutions that protect the environment and provide reliable water supplies that exceed our customers' expectations.



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# Municipal Water & Wastewater Solutions

Fluence has more than 30 years of experience in the design, construction, and operation of water and wastewater treatment plants for municipalities, government entities, communities, hotels and resorts, developers, rest stops, RV camps, and more.

Fluence specializes in decentralized and custom-designed solutions. Our water treatment solutions provide a cost-effective way to produce drinking water from any source and our wastewater treatment solutions treat sewage for safe discharge into the environment or for reuse in nonpotable applications like irrigation and landscaping.

## *A world leader in decentralized solutions*

Fluence is a world leader in decentralized treatment solutions. Our containerized water and wastewater treatment solutions are plug-and-play, reliable, very cost-effective, and they can be deployed in record time. The plants are fully automated and controlled by our innovative Smart Operation suite, which enables real-time monitoring and response, and operating costs optimization.



**Aspiral™ Flex**



**NIROBOX™**



**Tipton Series**

# Core Markets

- Municipalities and communities
- Private developments
- Hotels, resorts, golf courses
- Rest stops
- RV camps
- Government entities
- Contractors
- Engineering Procurement Companies
- And more

# Solutions

## WASTEWATER TREATMENT SOLUTIONS



### Aspiral™ Flex

Modular containerized solutions including MABR, MBR, and activated sludge



### SUBRE Retrofit

WWTP upgrades and expansions using Fluence's MABR technology



### SUBRE Greenfield

Greenfield WWTPs featuring MABR technology



### Tipton Series

Extended aeration packaged plants



### Nitro

Shortcut nitrogen removal for high-strength ammonia sidestream flows



### MABR Technology

Fluence's proprietary technology for ultra efficient energy consumption and effective nutrient removal

## WATER TREATMENT SOLUTIONS



### NIROBOX™

Desalination and brackish water treatment containerized plants



### NIROFLEX

Desalination building blocks



### Custom Solutions

Solution tailored to your needs

# Wastewater Treatment Solutions

## MABR

Fluence's membrane aerated biofilm reactor (MABR) is a patented, validated technology for treating municipal wastewater. The technology features a spirally-wound self-respiring membrane that supports the formation of an aerobic biofilm in an anoxic environment, resulting in simultaneous nitrification and denitrification.

The semi-permeable membrane is submerged into the wastewater tank, while low pressure air is blown through the air side of the membrane.

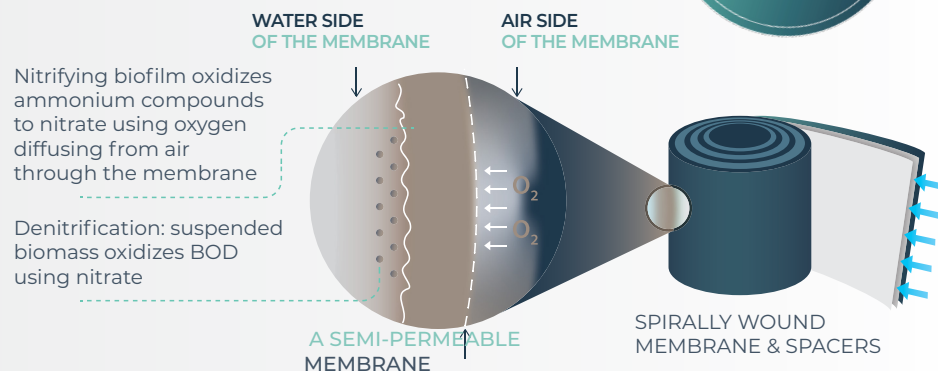
Oxygen is constantly supplied to the fixed nitrifying biofilm that develops on the wastewater side of the membrane, while denitrification occurs in the anoxic bulk liquid.

The low pressure, passive aeration offers significant energy savings over conventional, high pressure aeration. The unique MABR process provides highly efficient biological nutrient removal, which results in operational savings and minimal footprint requirements.

**Effluent meets Class 1A (China) and Title 22 (California) standards for reuse.**



### Simultaneous Nitrification and Denitrification



*Fluence leads the MABR space with over 350 plants worldwide.*



# aspiral<sup>™</sup> flex

Modular containerized solutions including MABR, MBR, and activated sludge.

Aspiral<sup>™</sup> is a good fit for small- to medium- sized treatment plants with a capacity of 5,000 to 250,000 gallons per day (20 to 950 cubic meters per day), or populations from 50 to 3,000 people. For larger populations, we offer other solutions such as SUBRE.



## Aspiral<sup>™</sup> Flex Wastewater Treatment Units

The units can be combined with one another to create a full plant or they can be integrated into your existing wastewater treatment design.



### aspiral<sup>™</sup> S

All-in-one biological treatment unit  
Produces disinfected effluent

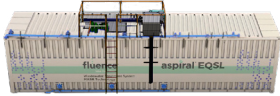
**Maximum Capacity:**  
13k GPD (50 m<sup>3</sup>/d)



### aspiral<sup>™</sup> M

All-in-one biological treatment unit  
Produces tertiary disinfected effluent

**Maximum Capacity:**  
30k GPD (115 m<sup>3</sup>/d)



### aspiral<sup>™</sup> EQSL

Equalization and/or sludge holding

**Holding Capacity:**  
17k GPD (65 m<sup>3</sup>/d)



### aspiral<sup>™</sup> BIO

Biological treatment with activated sludge, MABR optional

**Maximum Capacity:**  
75k GPD (300 m<sup>3</sup>/d)



### aspiral<sup>™</sup> UF

Ultrafiltration and disinfection

**Maximum Capacity:**  
200k GPD (757 m<sup>3</sup>/d)



### aspiral<sup>™</sup> CLARIFIER

Secondary clarification, optional tertiary treatment, disinfection

**Maximum Capacity:**  
75k GPD (284 m<sup>3</sup>/d)



## Benefits

- Can meet the most stringent U.S. EPA effluent limits
- Pre-engineered solutions, factory tested
- Fast installation: delivered and setup in standard 20- or 40- ft containers
- Completely encapsulated: low odor and noise
- Can accommodate different treatment processes (MABR/MBR/activated sludge)
- Modular and scalable
- Low maintenance and operation cost
- Lower total CAPEX compared to similar systems
- Built-in resilience to flow and temperature fluctuations

## subre retrofit

SUBRE retrofits upgrade existing wastewater treatment plants with basin capacities of 0.5-22 MGD (2,000-100,000 m<sup>3</sup>/d) using Fluence's MABR technology. The retrofit can be performed with minimal interruption, one basin at a time. Results are typically seen in one to three weeks include an improved effluent quality and/or increased capacity, and up to a 30% decrease in the plant's overall energy use. SUBRE is available in towers of one to four MABR modules, with full technical support and a membrane warranty.



## subre greenfield

Opt to build a new wastewater treatment plant using MABR technology with SUBRE greenfield. Available in towers of one to four MABR modules, SUBRE utilizes Fluence's MABR technology to achieve a stable and high-quality effluent with a small footprint.

### Benefits

- Enhanced nitrogen removal
- Enhanced bio-phosphorous removal. Up to 80% TP removal in biological stage
- Increased capacity
- Improved effluent quality
- Stable effluent quality complies with stringent regulations for discharge and nonpotable reuse applications, like irrigation
- Zero footprint and no additional construction
- Up to 20% OPEX reduction
- Reduces energy consumption by up to 30%
- Progress toward energy-neutral treatment
- Minimal moving parts: simple to operate

# Nitro

Nitro provides shortcut nitrogen removal for high-strength sidestream wastewater flows using MABR technology - saving time, money, and carbon footprint.



## Benefits

- **Energy Efficient** - Uses 40% less energy than conventional nitrogen removal processes
- **Seamless** - Non-invasive installation, one-pass, low maintenance, simple-to-operate
- **Powerful** - More than 90% TIN removal can be achieved. Eliminates up to 20% of total nitrogen load to the plant.
- **Robust & Resilient** - Biofilm process protects from load shocks and low temperature.
- **Sustainable** - GHG emissions reduced, ultra-low energy



# Tipton

Tipton Series packaged plants are flexible, simple to operate in the field, and designed to minimize installation and startup costs. Smaller systems come completely assembled, plumbed and wired for immediate, low-cost installation, and startup. Fluence has installed over 400 Tipton plants since 1995.

- Prefabricated packaged plants are available with flow rates from 200 to 350,000 GPD (0.76-1,330 m<sup>3</sup>/d).
- Field-erected packaged have a flow rate ranging from 50,000 to 2 million GPD (189-7,570 m<sup>3</sup>/d).

Every packaged wastewater treatment plant is designed to meet or exceed the effluent discharge limits for its specific location. Tipton Series packaged plants are fabricated from high-strength, reinforced carbon steel and are coated to allow the plant to be fully buried or installed at grade level without requiring additional structural support. The interior and exterior surfaces of the plants are factory-coated with a superior epoxy paint, and plants are equipped with sacrificial anodes to protect against galvanic action and corrosion. Fluence customers enjoy a long service life from their properly installed and maintained treatment plants.



# Water Treatment Solutions

## NIROBOX™

NIROBOX creates drinking water from any source: seawater, brackish water, or freshwater. Our NIROBOX systems are pre-engineered, preassembled, and ISO factory tested to minimize installation and start-up time.



**NIROBOX™ SW** is a modular, high-output and highly efficient seawater desalination solution that offers pre-treatment, reverse osmosis, and energy recovery device (ERD) – all housed in a single, self-contained 40 foot shipping container. The use of superior components ensures the production of high-quality product water under continuous heavy-duty conditions, with minimal O&M.

Offering unrivaled capacity, a single compact NIROBOX™ SW container can produce up to 400,000 GPD (1,500 m<sup>3</sup>/d) of clean water, making it the most compact plant-in-a-box with an extremely small overall footprint.



**NIROBOX™ BW** is a modular, highly efficient desalination solution for treating brackish water that delivers high-quality potable water, industrial process water, or irrigation-quality water. Designed for flexibility, NIROBOX™ BW treats water from a wide variety of sources, including surface water and well water, and can handle turbidity, salinity, and a wide range of contaminants, up to 10,000 ppm total dissolved solids (TDS). Nirobox BW offers recovery rates of up to 90%, while boasting low chemical and energy consumption. Each NIROBOX™ BW model is available in two feed capacities: 264,000 GPD (1,000 m<sup>3</sup>/d) and 528,000 GPD (2,000 m<sup>3</sup>/d). Output water capacity depends on recovery and feed-water specifications.





**NIROBOX™ FW** is a modular, self-contained system designed to treat water from non-saline sources like rivers, lakes, or wells, with a capacity to handle up to 1,000 ppm of total dissolved solids (TDS). It uses advanced membrane filtration to remove turbidity, microbes, and solids, producing potable water. Housed in a 40-foot shipping container, a single unit can generate up to 1.3 MGD (5,000 m<sup>3</sup>/d) of clean water suitable for drinking or industrial use. The system is scalable, space-efficient, and meets stringent water quality standards, including those of the World Health Organization.

## NIROFLEX

Fluence water experts have designed a family of pre-engineered, pre-treatment, and reverse osmosis (RO) building blocks for assembly as a cost effective seawater desalination system to match any water sourcing need. Developed from the highest quality standard components, the NIROFLEX system is delivered and deployed as a new water solution for municipal, private and industrial users. The versatility of the NIROFLEX system enables a capacity range from 25,000 GPD (100 m<sup>3</sup>/day) up to 4 MGD (15,000 m<sup>3</sup>/d) of clean water.



### Custom Solutions

Fluence has decades of experience bringing custom solutions to life with the collaboration of partners around the world. We have designed water treatment plants for municipalities of all different sizes, including a 40 MGD (150,000 m<sup>3</sup>/d) plant. Bring us your requirements and our team of engineers will provide you with a cost-effective, reliable solution.

# Services

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**Water Management Services**



**Smart Operations**



**Pilot Testing**

# Financing

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- Leasing options
- Packages to deliver water and wastewater treatment plants as a service, with Fluence assuming project risk and client paying a monthly fee
- Turnkey packages include financing, constructing and operating water assets under build-own-operate (BOO), build-operate-transfer (BOT), system leases, and reuse-as-a-service (RaaS)

# Selection of Installations

Fluence has vast experience across a range of geographies and industries - with over 1,000 projects worldwide. Since developing our proprietary energy-efficient MABR technology in 2015, Fluence has emerged as a leader in the MABR space, with over 350 plants featuring the technology. On the water side, we have sold over 100 NIROBOX units in addition to custom solutions. Below is a selection of Fluence installations. For references, please contact us.

## Aspiral™ Containerized Wastewater Plant for Lagoon



- **Partner:** University of Iowa/BES Water Solutions
- **Industry:** Retrofitting of treatment lagoons
- **Location:** Iowa, USA
- **Solution:** Aspiral™ M2
- **Capacity:** 30,475 GPD (115 m<sup>3</sup>/d)

This plant is housed in a small building and treats the wastewater lagoons of Dow City. The customer was looking to enhance the lagoon treatment so that the city could comply with new effluent requirements. They opted for the Aspiral™ solution because it easily integrated with the lagoon's existing infrastructure, therefore reducing the installation's overall cost and it provided strong nutrient removal in a small package.

## Aspiral™ Containerized Wastewater Plant for Truck Stop



- **Partner:** Pilot Flying J
- **Industry:** Truck Stops
- **Location:** New Mexico, USA
- **Solution:** Aspiral™ M1 Plus
- **Capacity:** 10,000 GPD (38 m<sup>3</sup>/d)

The Aspiral™ unit treats highly concentrated influent from the truck stop for safe discharge. The containerized unit provided the sturdy, weather-resistant treatment needed for the cold nights and strong winds of the desert climate. The customer was happy with the plant's performance and ordered additional units for nearby sites.



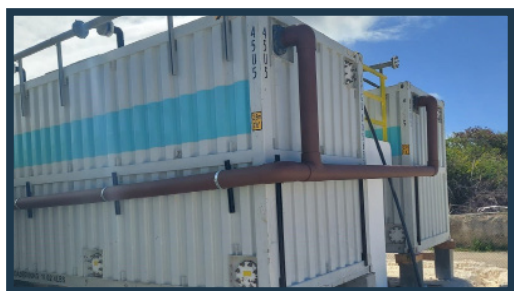
## Aspiral™ Wastewater Acceptance Facilities for Oil Field Work Sites



- **Partner:** Select Energy/Peak Oil Fields Services
- **Industry:** Oil and gas worker camps
- **Location:** Texas and New Mexico, USA
- **Solution:** Aspiral™ S1 and Aspiral™ M1 Plus
- **Capacity:** 5,000 GPD to 30,000 GPD (19 m<sup>3</sup>/d to 114 m<sup>3</sup>/d)

Select Energy was looking for a decentralized solution to better treat the wastewater from their worker camps. They ended up setting up a semi-decentralized installation, where wastewater is collected from multiple sites and delivered to containerized Aspiral™ treatment plants for treatment. This was the most cost effective approach for the utility.

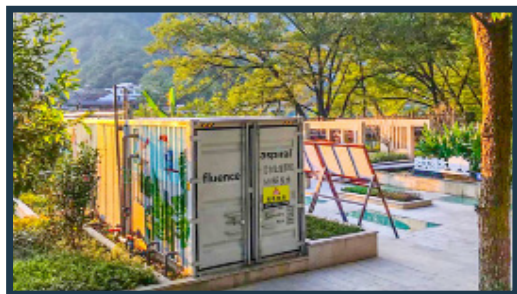
## Aspiral™ MABR-MBR Containerized Plant for Sam Lordes Castle



- Partner:** Ecohesion
- **Industry:** Hotels and Resorts
  - **Location:** Barbados
  - **Solution:** Aspiral™ MABR-MBR
  - **Capacity:** 111,800 GPD (420 m<sup>3</sup>/d)

Our Fluence Aspiral™ MABR+MBR plant is installed at the iconic Sam Lordes Castle Hotel. This state-of-the-art system includes two Aspiral™ Bio units and our advanced containerized UF unit, enabling the hotel to reuse wastewater for irrigation. Our solution was the most compact option that still provided effluent of high enough quality for reuse.

## Aspiral™ Wastewater Treatment Plant for Chinese Village



- **Partner:** Regal
- **Industry:** Municipality
- **Location:** Lishui, China
- **Solution:** Aspiral™ M1
- **Capacity:** 29,000 GPD (110 m<sup>3</sup>/d)

Lishui City is known as the green valley of Zhejiang and is renowned as “China’s No.1 Ecological City.” The city of almost three million selected Fluence’s MABR technology for its exceptional nutrient removal, as well as energy- and space-efficiency.

## SUBRE Wastewater Treatment Plant



- **Partner:** Xwater
- **Industry:** Municipality
- **Location:** Sihanoukville, Cambodia
- **Solution:** SUBRE Greenfield Plant
- **Capacity:** 5.3 MGD (20,000 m<sup>3</sup>/d)

Following two successful SUBRE projects with capacities of 1.3 MGD and 1.9 MGD, respectively, Xwater selected Fluence to design and construct a 5.3 MGD plant in Sihanoukville, Cambodia. Fluence was awarded the prestigious SBR International Business Award for Engineering Excellence for this project, which featured low energy consumption and high effluent quality with a small footprint due to Fluence's MABR technology.

## Wastewater Treatment Plant Retrofit with SUBRE



- **Partner:** Mayanot Ha'Amakim
- **Industry:** Municipality
- **Location:** Israel
- **Solution:** SUBRE Retrofit
- **Capacity:** 2.6 MGD to 3.3 MGD (9,800 m<sup>3</sup>/d to 12,500 m<sup>3</sup>/d) capacity increase

The Mayan Zvi wastewater treatment plant treats highly concentrated municipal and industrial wastewater from nearby villages, including Fureidis, Zichron Yaakov, and Kibbutz Mayan Zvi. As the local population increased, so did the load of COD, Nitrogen, and TSS per day – which reached higher than the designed capacity. Mayanot Ha-Amakim sought a plant upgrade that could treat the concentrated influent and produce effluent that would meet the local agricultural reuse requirement. For the upgrade, Mayanot Ha-Amakim selected Fluence's MABR-based SUBRE, due to its excellent nitrogen removal, single pass process, energy savings, and reliable results regardless of load fluctuations. The upgrade resulted in increased performance with no additional footprint and 33% less energy used. The plant now treats double the organic loading and produces higher quality effluent, which is used for irrigating the neighboring avocado trees. The project was third party validated by Black & Veatch who reviewed the project design and performance.



## Tipton for a Small Community in Nevada



- **Partner:** Farr Engineering
- **Industry:** Municipality
- **Location:** Gold Hill, Nevada, USA
- **Solution:** Tipton
- **Capacity:** 10,000 GPD (38 m<sup>3</sup>/d)

The plant, which is installed below grade inside of a building, is operating at a flow rate about 1/3 the design flow at 3,000 gallons per day, but the waste strength (BOD = 1,075 mg/L) is more than three times the design level due to water conservation in the community. The system is removing 99% of this waste. The customer was very pleased and told us, “Last Wednesday, we had the one-year warranty inspection with USDA and NDEP. Both were very impressed with the facility and performance”.

## NIROBOX™ Containerized Desalination Plant for Municipality



- **Partner:** Connority
- **Industry:** Municipality
- **Location:** South Africa
- **Solution:** NIROBOX Desalination Plant
- **Capacity:** 2.6 MGD (10,000 m<sup>3</sup>/d)

A desalination plant was urgently needed to solve an acute potable water shortage on the parched southeast coast of Africa. In six months, the 10 NIROBOX™ units were up and running, with a high flow of 1,000 m<sup>3</sup>/d per unit. The pre-designed plant includes a centralized intake, post treatment, and remote monitoring, with a small footprint and low operations and maintenance costs.

## NIROBOX™ Desalination Plant for Resort



- **Partner:** Rav Bahamas Limited
- **Industry:** Hotels & Resorts
- **Location:** Bimini, Bahamas
- **Solution:** NIROBOX™ desalination plant
- **Capacity:** 1.1 MGD (4,000 m<sup>3</sup>/d)

Fluence replaced an old seawater reverse osmosis plant at the Resorts World in Bimini with four NIROBOX™ XL containerized desalination units. The plant treats seawater from beach wells to provide potable water for drinking, irrigation, and operations at the resort. The plant is automated, remotely monitored, cost effective, and energy-efficient, featuring low energy and chemical consumption.



## Desalination Plant Secures Drinking Water for New Mansoura



- **Partner:** IWSI + Egyptian Ministry of Housing
- **Industry:** Municipality
- **Location:** New Mansoura, Egypt
- **Solution:** Salt Water Reverse Osmosis Plant
- **Capacity:** 10.6 MGD (40,000 m<sup>3</sup>/d)

Along the coast of Egypt's Nile Delta, the new city of New Mansoura is being built. The Nile Delta faces many challenges, including international competition for Nile water, climate change, land use, coastal erosion, possible sea level rise, saltwater intrusion, and decreasing water quality. The ministry of housing decided to desalinate seawater to secure reliable drinking water for the community. Fluence provided its state-of-the-art RO desalination technology, and custom engineered the process, supplying pretreatment, reverse osmosis skids, post-treatment, startup, and commissioning.

## Ivory Coast Fresh Water Treatment Plant



- **Partner:** Federal Government of Ivory Coast
- **Industry:** Municipality
- **Location:** Abidjan, Ivory Coast
- **Solution:** SUBRE Greenfield Plant
- **Capacity:** 40 MGD (150,000 m<sup>3</sup>/d)

The water production in Abidjan was 170 GPD (640,000 m<sup>3</sup>/day), against a demand estimated at 222 MGD (840,000 m<sup>3</sup>/da). Fluence built a drinking water plant that treats water from the Aghien lagoon, the largest freshwater reserve in Ivory Coast located 73 km south-east of Abidjan, and set up pipes to transport drinking water to two castles with a capacity of 40 MGD (5,000 m<sup>3</sup> each). The plant has a capacity of 150,000 m<sup>3</sup>/day for distribution to some 1.5 million people in Abidjan.

# Team Experience



## **Benjamin Fash**

### **CEO and Managing Director**

Ben Fash is the CEO and Managing Director of Fluence Corporation, bringing more than 20 years of water-industry and capital-markets experience. He combines deep operating expertise with a strong track record in M&A, financial management, capital raising, company building and strategic leadership. Mr. Fash joined Fluence in 2023 as CFO, where he played a key role in the company's strategic transition and turnaround. Prior to joining Fluence, he served as CFO of Dumas Mining and as EVP & CFO of Newterra, a global provider of modular water and wastewater treatment solutions. At Newterra, he partnered with private equity owners to double the size of the business through organic growth and M&A while dramatically increasing profitability and improving cash flow management, culminating in a successful exit in 2020.



## **Richard Cisterna**

### **Chief Growth Officer**

As Chief Growth Officer at Fluence, Rick Cisterna leads strategies for revenue growth and market expansion in high-priority markets, focusing on market trends, competition, products, pricing, sales approach, and channel partnerships. He oversees Fluence's Global Water Services business unit, key account management, marketing, and rep and agent networks, while ensuring consistent reporting and incentives for the global sales team. Mr. Cisterna brings 30 years of leadership and business development experience in the water and wastewater sector, having directed more than US \$1 billion in projects across municipal, industrial, and commercial markets. Before joining Fluence, he was Founder and President of Renewable Organics Infrastructure, and served as Executive Vice President of Business Development at Natural Systems Utilities. He also spent nearly two decades at Hazen and Sawyer as a partner leading business development, strategic planning, and major project execution. Mr. Cisterna holds an M.S. in Environmental Engineering from Stanford University and a B.S. in Civil Engineering from the University of Nevada, Reno.



## **Steven Scheidler**

### **Vice President and General Manager**

With an impressive 30+ years in municipal water and wastewater engineering, Steve brings extensive expertise in process, quality, and consulting. His background includes successful stints in product development, manufacturing, and leadership roles with global brands, specializing in membrane, gravity filter, and biologic treatment processes. Steve holds a professional engineering license in Pennsylvania and Virginia and has a track record of designing and operating pilot plant facilities for surface and ground water solutions.

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# Team Experience



**Timothy Brett**

**North America Sales Director - Municipal**

Timothy Brett is the National Sales Director - Municipal at Fluence Corporation. He has been active in the water/wastewater industry for almost 25 years. Prior to joining Fluence, he worked at Xylem in various roles for 11 years. His most recent position at Xylem was a Regional Sales Manager for the Northeast US and eastern Canada with responsibility for all of Xylem's municipal treatment brand. Mr. Brett has also worked for two (2) consulting engineering firms in the Pittsburgh area and was also a permitting engineer for the PA Department of Environmental Protection. He holds a Bachelors degree in Environmental Systems Engineering from The Pennsylvania State University and is a registered professional engineer in PA. Mr. Brett resides just outside of Pittsburgh, PA with his wife and 3 kids. Outside of work, he enjoys spending time with his kids multiple activities and taking vacations.



**Michael Shnitzer**

**Vice President, Engineering and R&D**

Michael (Miki) has more than 30 years of experience in the design, construction, and operation of dozens of water and wastewater treatment plans globally. He brings vast work experience with diverse stakeholders and engineering projects. Miki holds B.Sc. and M.E. degrees from the Technion University.



**Ronen Barkan**

**National Sales Manager - Private Development**

Ronen Barkan has spent the last 12 years driving multi-national business expansion and strategy for global wastewater treatment companies and spent the last 10 years working to bring Fluence's energy efficient MABR technology through commercialization and expansion. He now serves as Fluence's Director of Sales and Business Development in North America. Prior to Fluence, Ronen represented leading global manufacturers, including: Huber Technology (Germany), Sanitair – Xylem (USA), ABJ – Xylem (USA), Smith and Loveless (USA), and Polychem Systems - Brentwood (USA).

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# Team Experience



**Neri Nathan**

Product Manager

Neri Nathan is a Technical Product Manager at Fluence Corporation, where he focuses on MABR technology and products. Previously, Neri worked in R&D, project development, and presales engineering at Fluence. Neri holds a B.Sc. degree in Environmental Engineering/Environmental Technology from the Technion.



**Doug Reeves**

Director of Operations, USA

After 20 years in the water industry, Doug has experience delivering innovative and sustainable water solutions for diverse clients and communities. At Fluence, Doug oversees the execution of all projects and services in the US market, ensuring quality, safety, and customer satisfaction. Previously, he was the Execution Director-Americas at De Nora, where he managed the delivery of multiple water and wastewater treatment projects across North and South America, and the Director of Project Management & Field Service at Kurita America Inc., where he led a team of project managers and field service technicians to provide end-to-end solutions for industrial and municipal customers.



**Wissam El Ghouche**

Business Development Manager, Middle East and Africa

Wissam has over 20 years of experience in the water and wastewater industry, delivering innovative and sustainable solutions to clients in various sectors and regions. He holds an MBA degree from Torrens University Australia and a verified international academic qualification issued by World Education Services. Wissam specializes in desalination, wastewater treatment, potable water systems, and reverse osmosis solutions. Passionate about solving water challenges and creating value for customers, communities, and the environment, Wissam has successfully delivered multiple projects in Dubai and Riyadh.

# About Fluence

Fluence is a leader in the wastewater treatment and reuse, high-strength wastewater treatment, wastewater-to-energy, industrial, and drinking water markets, offering custom solutions as well as pre-engineered containerized plants and units, retrofits, greenfield plants, and shortcut nitrogen removal. A number of solutions feature Fluence's proprietary MABR technology, which offers high nutrient removal with a small footprint and low energy consumption. In addition to rapid delivery and commissioning of solutions to meet a broad range of needs from smaller communities to city-scale systems, Fluence offers ongoing operation and maintenance support, Build Own Operate (BOO), and other recurring revenue solutions. Fluence is headquartered in Minneapolis, USA, and has a broad international footprint with experience in more than 70 countries worldwide.

## Offices:

Jundiaí, São Paulo, Brazil  
Shanghai, China  
Caesarea, Israel  
Karmiel, Israel  
Padova, Italy  
Buenos Aires, Argentina  
Dubai, UAE  
Victoria, Australia  
Beijing, China  
Jiangsu, China  
Cairo, Egypt  
Singapore  
Colombia

## Headquarters:

Minnesota, USA



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## Stay in Touch

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