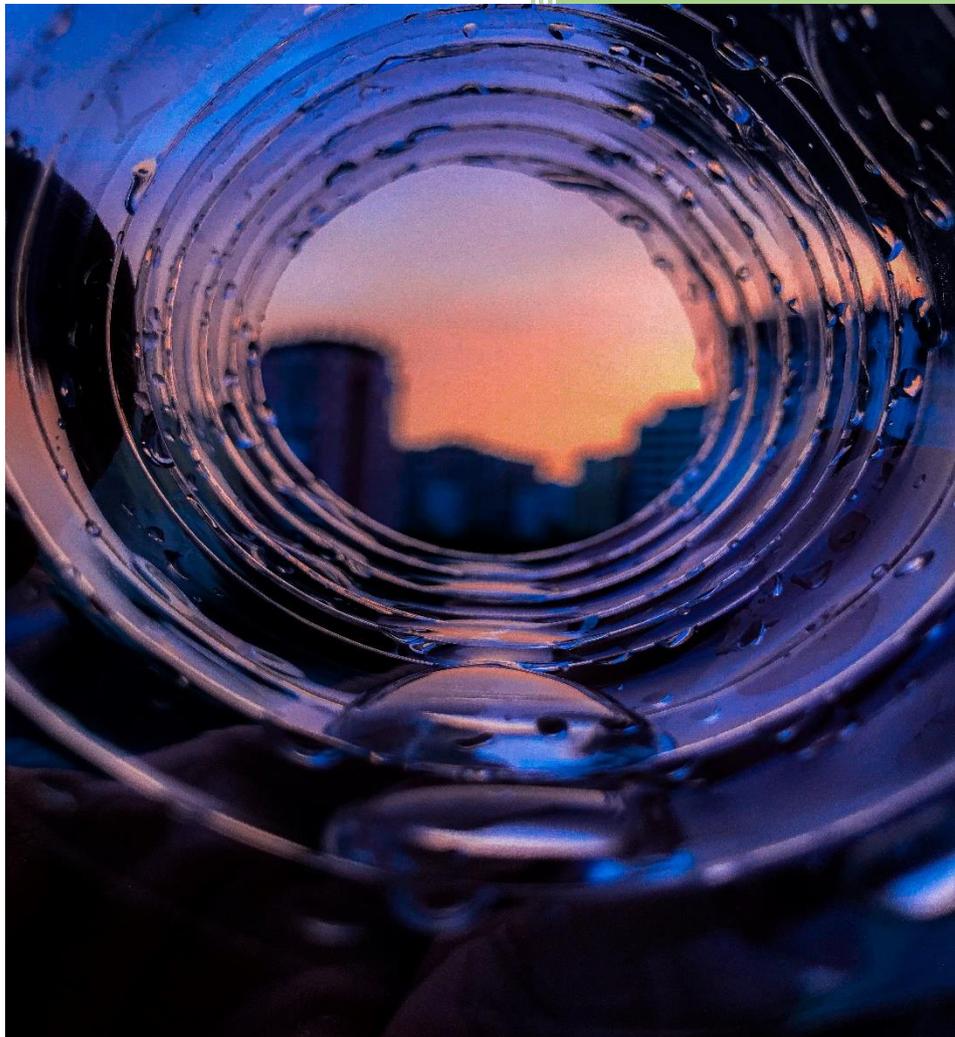


2019

# Water Management – External Website Links



ACET Global

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## Website for water management

The websites listed below are the top pick websites from different locations and different countries.

- <https://www.suez.com/en/our-offering/success-stories/our-references>

SUEZ was entrusted with the **design** and the **construction** of Barcelona's desalination plant, the largest in Europe. We were therefore able to manage the water supply for urban areas while also:

- reducing withdrawals from drinking water supplies
- limiting the use of surface water
- respecting biodiversity and the marine ecosystem

SUEZ is renowned for its leading-edge skills in seawater and brackish water desalination technologies and in the reuse of treated wastewater. The two main technologies implemented in the Barcelona plant were:

- **reverse osmosis for desalination** (membrane separation),
- **ultrafiltration** and disinfection processes for the reuse of wastewater.

- <http://www.veoliawatertechnologies.com.au/our-expertise/water-treatment>.
- <https://www.waterexpert.com/>
- <https://www.cstwastewater.com/>
- <https://www.hydrofluxepco.com.au/>

## Energy from Wastewater

### Energy from Wastewater for Municipal and Industrial applications

Hydroflux Epco has extensive experience in recovering energy from wastewater, including all aspects of plant design and construction of complete systems.

Please Select the link below for further information:

- [Plate Wastewater Heat Exchanger](#)
- [In-pipe Heat Exchanger](#)
- <https://www.osmoflo.com/en/markets/water-treatment-for-drinking-water/>

## Water Recycling & Water Reuse Solutions

Custom designed to meet specific project requirements, Osmoflo's water recycling & water reuse systems are engineered to satisfy stakeholder expectations and regulatory requirements in respect to sustainability, protection of the environment and public health.

Osmoflo employs a range of technologies with the emphasis on providing plants that can operate to the required standards for the lowest capital and operational costs. This, combined with flexible contract and finance arrangements, makes Osmoflo's water recycling & water reuse solutions an attractive option for industry at large including the resources sector, oil and gas, defence, food and beverage, utility and municipal sectors.

Osmoflo offers a variety of commercial options for its clients.

In terms of operations, support and technical specifications, Osmoflo offer an array of options:

- <https://www.xylem.com/en-au/products-services/treatment-products--systems/>

## Water & Wastewater Treatment Systems & Solutions

Xylem offers a portfolio of products and systems designed to effectively meet the demands and challenges of treating water and wastewater. From smarter aeration to advanced filtration to chemical-free disinfection, Xylem's experts evaluate the varying needs of customers and help them find the right solutions for their application.

- <http://www.jacobs.com/capabilities/water>

## Drinking Water and Reuse

Developed countries take safe drinking water for granted, but it is truly a modern marvel. By staying on top of the most advanced drinking water and reuse treatment technology, we continue to move the industry forward.

Whether it's designing an advanced water treatment facility or implementing an innovative potable water reuse program or a brackish or seawater desalination plant, we're not just treating water, we're giving communities, industries and regions the resource they need to flourish and expand.

We are constantly pushing for more innovative and cost-effective solutions to give more people access to safe and abundant water supplies—especially as populations continue to grow around the world, regulations are changing, infrastructure is aging, and there's a greater need for increased security.

As the No. 3 Water Supply and Water Treatment and Desalination Plants firm according to Engineering News-Record (ENR) and recipient of the 2015 the Stockholm Industry Water Award for leadership in potable reuse and public acceptance – we're excited about what we

do, the projects we deliver, and how these projects are positively impacting communities around the world.

Our integrated comprehensive services, which consider a triple-bottom-line focus and a One Water mentality, allow us to move complex water projects from concept to completion and operation - successfully delivering the right solutions for our clients.

- <https://www.evoqua.com/en>

## Transforming Water. Enriching Life.

Evoqua Water Technologies delivers products, solutions and services to ensure water quality and consistency for municipalities, industrial water users and recreational facilities. With more than a 100-year heritage of industry-leading brands and products, technical expertise, and unmatched customer service, Evoqua is the partner of choice for millions of water users across the globe.

- <https://www.kingspan.com/au/en-au>
- <https://jenfitch.com/>

Jenfitch, Inc. is a manufacturing and marketing firm developing water treatment solutions for the water treatment problems in the 21st Century.

We offer the following:

- Coagulants/Flocculants for water and wastewater treatment process (NSF approved too!)
  - Struvite & Vivianite control and removal
  - Metal Removal-dissolved copper & dissolved zinc
  - Disinfectant- ROS
  - Organo-Clay technology
  - FOG & TPH removal in municipal and industrial accounts
- <https://www.fluencecorp.com/>
  - <https://www.ecoworld.co.nz/>

Providing specialised products for the treatment of liquid organic waste associated with wastewater such as septic tanks, effluent ponds and Municipal sewers and lifting stations.

- <http://waterclean.co.nz/>

## Floating Treatment Wetlands for municipal wastewater treatment

We design, construct and maintain Floating Treatment Wetlands (FTW) for municipal wastewater treatment. As the first company to introduce this technology to New Zealand, we have become the industry leaders.

- <https://www.sgs.co.nz/en/environment/water/interpretation-and-modeling/industrial-and-waste-water-studies/water-treatment-services>

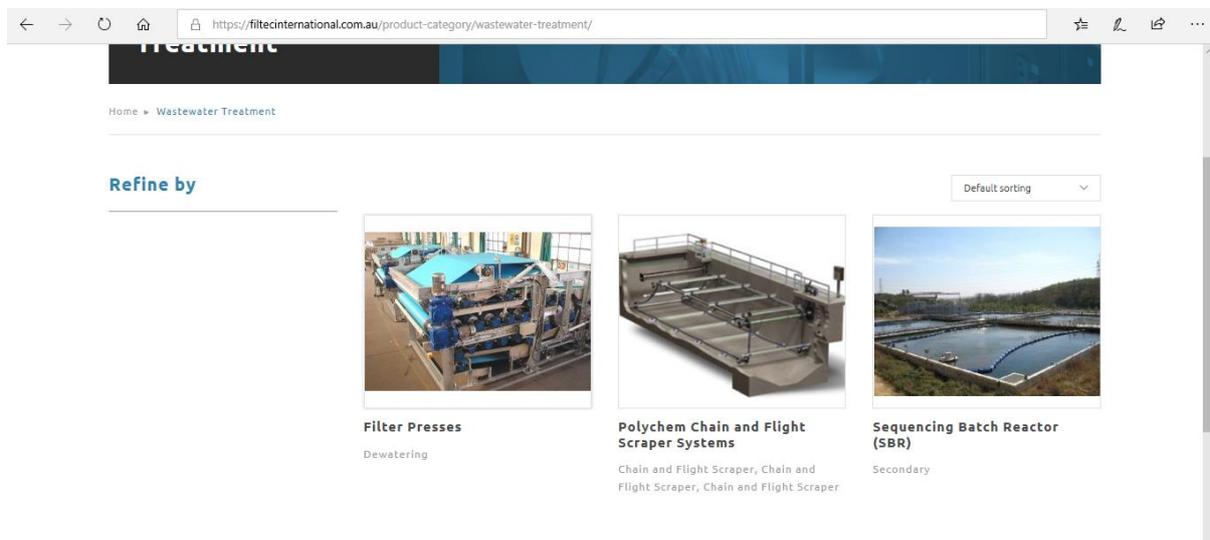
SGS also recently developed new technology to assess the biological content of your waters by using the innovative technology of Adenosine Triphosphate (ATP)-metry. ATP-metry is a fast and cheap quantitative method that will help you efficiently audit your treatment process and identify the needed improvements. We are the only company able to provide this second-generation ATP-metry on a global level.

- <http://mena-water.com/>

**A membrane bioreactor (MBR) is a wastewater treatment process combining membrane filtration with biological treatment.** This innovative technology offers several advantages compared with the conventionally activated sludge process. Among these advantages are higher biomass concentration, eliminating the needs of secondary clarifiers and improved effluent quality.

MENA-Water transforms sewage to clear and high quality water. The small footprint of the treatment technology enables the systems to be integrated in natural, picturesque surroundings and to treat wastewater for highest standard usable for irrigation use.

- <https://filtecinternational.com.au/>



- <https://www.reaman.co.nz/>

Reaman Industries offers a wide variety of individually styled, environmentally sound, waste water treatment alternatives, equally suited to tourism, local authority, commercial and industrial markets.

We offer a turnkey approach to waste water treatment. From initial concept to installation, commissioning and the most important facet of all, after-care and management. This allows

for treated effluent to be recycled for toilet/urinal flushing and irrigation, and for treated sludge to be on-used for soil conditioning or composting purposes.

## Sequence Batch Reacting (SBR)

Our SEBAS SBR technology uses single or multiple tanks (Reactors), basins or lagoons, with either intermediate or continuous influent, but with cyclic aeration and decanting of the treated effluent. The SBR process is able to achieve a consistently high effluent quality with regard to BOD's and suspended solids reduction. This quality wastewater system can safely discharge effluent to land or water without affecting the environment.

This means that our SEBAS SBR Waste Water Treatment Plants have a number of applications suitable for tourist resorts, small and large communities, industrial and leachate effluent streams, including:

- Resultant treated effluent can be safely recycled for toilet and urinal flushing which conserves scarce fresh water supplies.
- Irrigation of tourist and hotel gardens & nurseries can be carried out all year round which provides the restful ambience to which these discerning properties aspire.
- Treated effluent in storage tanks can provide remote hotel and resorts with fire-fighting capabilities over and above swimming pools, or fresh water storage.