

AQUARIUS S.A.L.

DEVOTED TO WATER QUALITY



WASTEWATER TREATMENT • DESALINATION PLANTS • GENERAL WATER TREATMENT • SWIMMING POOLS & FOUNTAINS • PUMPING SYSTEMS

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ABOUT US

Company Overview

Aquarius S.A.L was established in 1963 as a water treatment contractor and swimming pools specialist. Since its inception, Aquarius S.A.L has been at the forefront of water treatment contracting, and continues to build on the same core values: high quality, experienced engineers, professionalism, and punctuality in delivery. Our main offices are located in Lebanon and Saudi Arabia, but the company operates on a regional level and is one of the key players in the water industry.

Our scope of activities covers general water treatment (softening, sand filtration, sterilization, etc.), desalination plants, wastewater treatment, swimming pools, Jacuzzi, fountains and pumping equipment. **Aquarius S.A.L** offers superior process engineering solutions and high quality designs, execution and after sales service to its customers, and is committed to providing its clients with the highest quality services in compliance with ISO 9001:2008 standards.

Thus far, **Aquarius S.A.L** has successfully handled numerous challenging jobs, by applying the right technology and expertise, adopting high quality systems and processes, investing in professional staff, and following a customer-oriented philosophy.



Why Aquarius?

“AQUARIUS S.A.L IS DEVOTED TO WATER QUALITY” is a slogan that has been adopted by the company since its foundation.

Aquarius S.A.L operates on the basis of profound commitment to quality, innovation, and customer service.

By working with **Aquarius S.A.L** , whether to treat your water (Domestic, potable or wastewater), or build a swimming pool or water feature, you are choosing a partner that possesses the following strengths:

- An uninterrupted operation running since 1963,
- Experience consisting of more than 7,000 projects, mainly in Lebanon and Saudi Arabia,
- Solutions based on superior process engineering and high quality designs,
- Continuous high standards of maintenance and service to more than 1,500 after sales clients,
- Continuous focus on innovation,
- Constantly trained and updated work force,
- Compliance with ISO 9001 international standard markers.

Those are but a few reasons why thousands of clients have entrusted us with the quality of their water, and have chosen us as their partner.



Vision Mission

Vision

Around the globe, nearly 800 million people lack access to water.

The water scarcity and water quality are the big challenges we are facing today. Climate change, population growth, industrialization and urbanization are all critical factors threatening to worsen the water crisis.

Our vision is to remain a key player in the field of water treatment in the region and to open the path for new opportunities and solutions to improve people's quality of life.

To this aim, we will continue to apply the right technology and expertise, investing in professional staff and following a customer-oriented philosophy.

Mission

Our mission is to be a trusted, environment-friendly provider of water treatment solutions in the region.

That is done mainly through keeping up with new technologies and solutions, and anticipating our clients' needs through a multitude of applications. We make sure that all of what is conceived, planned and executed follows the highest international standards, thereby resulting in the delivery of the best quality water solutions, regardless of any challenges that might arise along the way.

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OUR ACTIVITIES

Swimming Pools

- A marvelous infinity pool that looks as though connected to the sea,
- An Olympic pool used for training and competitions,
- A luxurious hotel pool with integrated Jacuzzi and spa,

These are but a few examples of the swimming pools that we can offer to our clients. We design and install all the features and equipment related to the electro-mechanical part of a swimming pool, including the filtration, sterilization, heating, lighting systems, etc.

At **Aquarius S.A.L**, we combine our experience and knowledge in pool design, with our clients' personal needs, to make sure requirements are met, and expectations are exceeded. Be it the skimmer or overflow type, we make sure that every pool we deliver to our clients is of superior quality.



Fountains

A fountain, whatever the type, shape or size, brings a fluidic dimension to the environment in which it is situated, and gives an added value to any project, by modifying the entire aspect of the landscape. Just like a piece of art, a fountain, with the combination of water, sound and lighting creates a friendly and soothing atmosphere.

Water fountains design covers a very wide range of features, including water mirrors, basin pools, cascades, waterfalls, fish ponds, dancing fountains etc. Each feature has its own characteristics and technical requirements. The design and implementation of a fountain is a complex task, a mixture of art and engineering.

At **Aquarius S.A.L** we have a long standing experience in the world of fountains, as we design and execute the electro- mechanical part of those. We have the know-how and experience that allow us to design and install all kinds of fountains, enabling us to offer the best technical solutions to our clients.



Wastewater Treatment

Due to demographic pressure, the wastewater treatment activity represents half the world's water treatment activities. At **Aquarius S.A.L**, we have a thorough understanding of the challenges of wastewater treatment; protecting the quality of water by an efficient sewage treatment plant is something we have been fighting for, for more than 40 years.

Aquarius S.A.L provides a combination of mechanical, biological and chemical processes used to remove particles and suspended solids, organic pollution and nutrients from wastewater. We use the biological treatment by means of an extended aeration process; this purifying process stabilizes the rejected effluent and decreases its BOD5 (Biological oxygen demand) and suspended solids.

The quality of the treated water will offer our customers the opportunity to reuse the effluent with a view to conservation of natural resources. We aim to always ensure that our clients are able to meet any regulatory discharge limitations.



Water Desalination

Saltwater oceans contain 97% of the world's surface water; without desalination systems, this water would remain undrinkable and unsuitable for domestic use. However, **Aquarius S.A.I** can help produce osmotised water.

Reverse osmosis is a technology that uses membrane separation; it is a very efficient process that removes most ionic, organic and suspended impurities from water.

The membranes, which are available in a variety of characteristics and sizes, are able to remove up to 98 % of substances present in the water. The applications for reverse osmosis are numerous and varied, and include desalination of seawater or brackish water for drinking purposes, semiconductors, food and beverage processing, biotechnology, pharmaceuticals, power generation and industrial process water.

Aquarius S.A.I supplies customized reverse osmosis systems for its clients, depending on their requirements (proposed application, level of the TDS, etc). We have designed and installed more than 500 reverse osmosis plants throughout the region, with adequate pre and post-treatments adapted to each system.



General water Treatment

Aquarius S.A.L offers its clients a wide range of water treatment applications, and depending on the quality of the original water and its final use, we implement the appropriate treatment, amongst the ones listed below:

- Softening system
- Media filtration
- Activated carbon filtration
- Microfiltration
- Ultrafiltration

As a specialist of water treatment systems, we have designed and installed several thousands treatment plants of different dimensions and uses.



Water Disinfection

Although water is abundant, the potential drinking water represents only 0.3% of the world's total quantity. The sources of potable water are multiple and include well water, precipitation, municipal water, and surface water. Depending on the source and quality of water, **Aquarius S.A.L** will propose the corresponding solutions to its clients. An array of treatment processes is available. Following are some of the used processes:

- Ultra-Violet sterilization
- Ozonation
- Chlorination

Aquarius S.A.L has both the experience and expertise in water disinfection to provide our clients with the best technical solutions.



Pumping Equipment



With over 30 years of experience in the supply, installation, and repair of pumps, **Aquarius S.A.L** commercializes Grundfos pumps, and has already installed and commissioned more than 15,000 pumps.

Our pumps cover a broad range of applications and a wide variety of configurations, which are listed below:

- Single stage pumps
- Multistage pumps
- Heating, air conditioning and hot water circulation pumps
- Drainage and sewage pumps
- Borehole pumps
- Booster pumps sets
- Variable speed pumps
- Firefighting systems



Our services include comprehensive on-site surveys, pumps selection, pumps installations and repairs. Our expertise allows us to supply any pumping equipment and to provide solutions for all applications. Moreover, our engineers and technicians undergo a continuous cycle of training to maintain and upgrade their technical skills, which ensures that our customers are always met by competent experts.



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