



aquarabia Company profile

Trust Based on Experience

► Hello!



Summary

aquarabia for desalination &
engineering systems

aquarabia is a company located in Egypt, work in water treatment field in the region and we have potential with government in our country in many projects, else aquarabia is a "global" player: our globally standardized technologies are designed to meet the standards of different countries and our services are locally designed to be as close as possible to your needs and above all to be as responsive as possible according to your needs. This is with the help of a team of experts with rich experience 17 of years.

aquarabia brings a global corporation in this sector to Egypt, provide a new technologies and engineering systems for water enabling aquarabia to work from small scale projects to mega ones



About Us

aquarabia for desalination &
engineering system

Mission:

- Securing Pure Water for Better Life in the Region.

Vision:

- Excellence in Delivery Latest Environmental Engineering Solutions.



About Us

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engineering system

Values:

Loyalty:

- We think that the employees are a vital resource and a significant investment for us, So we care by employees' loyalty to provide a healthy work environment, to attract and retain qualified, highly committed, and loyal workforce, this reinforce employees' motivation to act in the best interest of the organization.
- This interest seems in term of locating, recruiting, training let alone salaries, welfare plans, bonuses and rewards etc.



About Us

aquarabia for desalination & engineering system

Values:

Social responsibility:

- We take responsibility for creating wider benefits both within and around our business and endeavour to make a positive impact that improves the lives of others and reduces the risk of harm to people and the environment.
- The activities of our company are managed to minimise the effect on the environment while delivering continual improvement to shareholders, employees, clients, partners, subcontractors, suppliers and society.



About Us

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Values:

Customer satisfaction:

- Our goal is our customer's satisfaction, through providing them with the best services and solutions that suit their needs with the highest levels of safety and quality.
- Our customers are partners of success and their satisfaction is our top priority.



About Us

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Values:

Good appearance:

- That our value list includes a good appearance, it does not mean the employees 'cleanliness or the cleanliness of physical workspaces only, but also means the good reception of our customers, suppliers and all shareholders, their good treatment, the importance of providing our services in the best way, with the fastest response etc.



About Us

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engineering system

Values:

- We are seeking for organization excellence through 6 axes
 1. **Structural Improvement**
 2. **Process Improvement**
 3. **Capability Development**
 4. **Leadership Development**
 5. **Cultural Development**
 6. **Team Building.**



About Us

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Competitive advantage

- Long experience, product quality, real warranty, distinctive service and competitive price.

Slogan

- **Trust Based on Experience.**



About Us

aquarabia for desalination &
engineering system

Activities:

1. Water Purification Plants (B to G – B to B).
2. Water Desalination Plants (B to G – B to B – B to C).
3. Sewage Treatment Plants (B to G – B to B – B to C).
4. Industrial Wastewater Treatment Plants (B to B – B to C).



Why aquarabia?

- Water treatment is very important in future internationally and in Egypt, because the quality of water in ground level decreasing day by day and this is due to the industrial waste and pollution which causes dangerous diseases.

aquarabia offers a wide range of processes, production and services utilized within the water industry, by creating solutions in a cost effective and environmentally responsible manner.

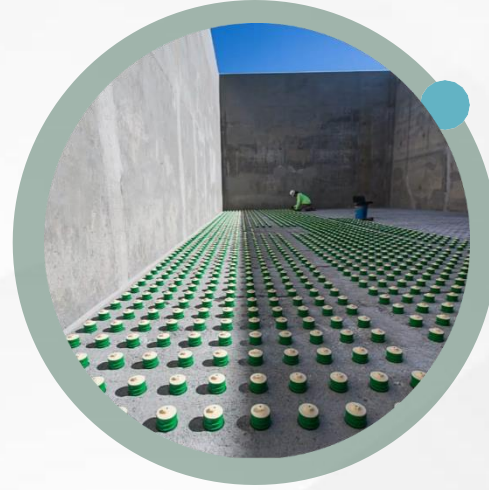
- We engineer and deliver wastewater, potable and industrial water treatment solutions to specifications. Our solutions are geared to provide clients with a complete solution to include design, contracting on projects, supply of equipment, fabrication as well as operation and maintenance.
- All project parts are imported and assembled in our workshop, assuring the best quality for our clients.

The plants are designed by experienced engineers, which make our plants more resilient than any local manufactured plant.



Filter Nozzles

aquarabia have its own production lines by the latest global technologies, which contributed to making aquarabia one of the most important suppliers for this product in the market.



Nozzles Slabs

aquarabia's slabs are considered one of the best types of slabs,

It is made according to standard specifications and using the best materials by modern equipment under engineering supervision.

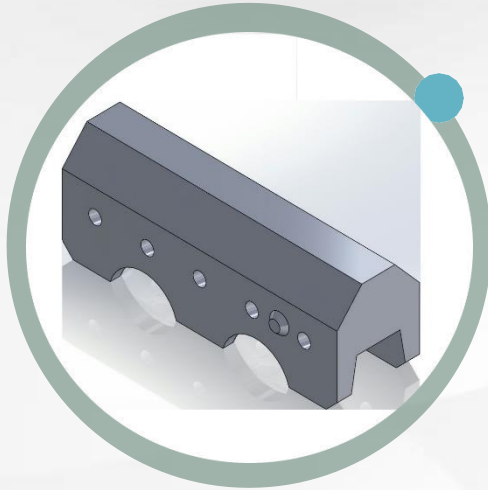


Filtration Media

aquarabia owns the best quarries on Egyptian lands and the latest equipment needed to produce the best quality,

which enables us to supplying media in mega projects.

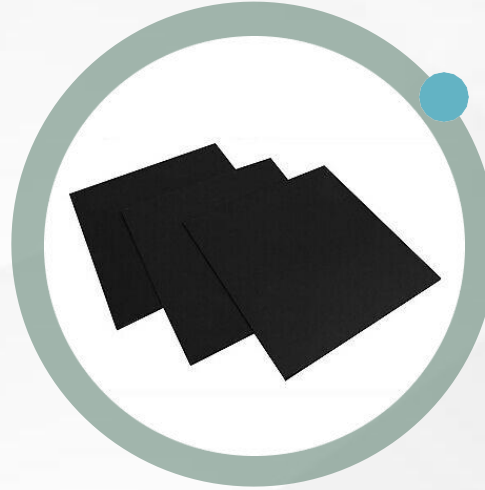
aquarabia able to supply media with all required sizes or conditions by any quantities.



M-Block

aquarabia is a pioneer in the production of M-BLOCK,

aquarabia is one of the creation of this block in market and we have our own factories and with the best Techniques.

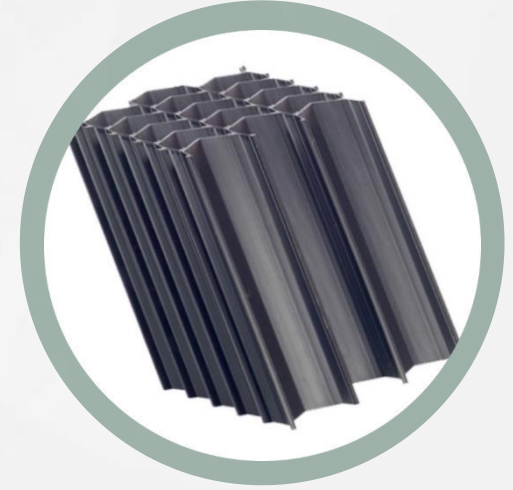


Lamella sheets

Lamella is one of the most important and widespread products of **aquarabia**

lamella sheets is important for improving sludge settling in settling tanks,

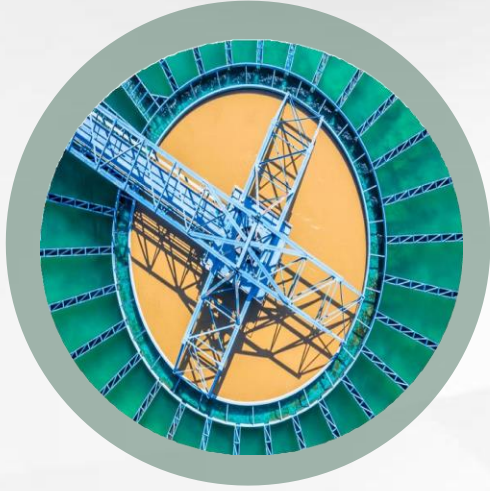
Lamella sheets is a sector placed at a certain angle of inclination that increase the area of the sedimentary medium Which help to have excellent results.



Tube Settler

Tube Settler are used to reduce the area of the required tanks, raise the efficiency of the existing stations and reduce the residence time.

aquarabia's tube settler exists in all required dimensions.



Thickener

aquarabia is interested in Steel manufactures and the company has completed the design, supply and installation of Thickener in many purification plants with high efficiency.

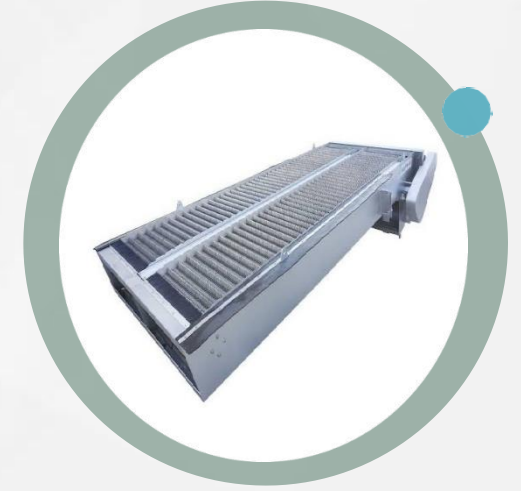
Thickener is used to separate liquid and solid by settling to concentrate solid, while clarifier used to purify liquids.



Clarifier

It is considered one of the most important sector in steel works in the treatment and purification plants, therefore it is one of the most widespread products of our company and was designed and implemented in many plants.

aquarabia specializes in Clarifiers which is generally used to remove solid particulates or suspended solids from liquid.



Screens

screens is considered the first important process in wastewater treatment through passing polluted water to separate large suspended solids

aquarabia is able to produce all types of screens, such as mechanical, manual, and so on.



Pen Stock

The penstock is usually situated fairly close to the center of the tailings dam and built up using penstock rings. These control the water level.

aquarabia is able to produce all types of pen stock, such as mechanical, manual, and so on



Stop Log

aquarabia's log stop are a type of gates, and it's calibrate the water, because it giving the ability to control the water level in the canal by adding or removing individual stop registers.

You may use one or more gates. All gates are lowered horizontally into a space or bay between two levels. and all types is available.



Weeds

A type of small barrier that is designed to change the flow characteristics of a stream. weeds collect the water behind them and at the same time allow the flow of water regularly over their tops. weeds are commonly used to measure discharge, and aquarabia produce V notch and any shape.



R.O (Brackish Water & Sea Water).

Reverse Osmosis (RO) technology is based on rejection of dissolved solids from water by applying pressure on the solution through semi permeable membranes.

aquarabia offer a wide range of industrial reverse osmosis Plants for tap, brackish & sea water applications

aquarabia designed, supplied and installed more than 100 R.O plant



D.I (Chemical Deionization, Electro Deionization).

D.I is considered one of the most successful treatment methods, as it is green process, and this technique is divided into:

(EDI) electro deionization has now been in commercial use for over twenty years in the production of ultrapure process water for industrial use.

(CDI) The technology is based on the high-surface-area electrodes, when electrically charged, can quantitatively adsorb ionic components from water, thereby resulting in desalination.



Softeners

The softener device from more devices commonly used in the removal of permanent and temporary water hardness.

aquarabia's softner can treatment high levels of calcium salts and magnesium, other ions such as iron, manganese and others. And we can supply softner for various plants



Chlorination Disinfection

Chlorine is the principal disinfectant used worldwide with more benefit when compared with the other disinfectants present.

aquarabia has many suppliers that enable the company to provide all the market needs with required quantities



Ultraviolet Disinfection

Ultraviolet disinfection is one of the modern systems in water treatment techniques, this technology is used in the case of water reuse again, whether for drinking or for different purposes.

aquarabia offers ultraviolet with all models, and Provides a warranty period against manufacturing defects.



Ozone Disinfection

Ozone is a very strong oxidant and antiviral.

The mechanisms of disinfection using ozone include Direct oxidation/destruction of the cell wall with leakage of cellular constituents outside of the cell.

aquarabia product in ozone disinfection is one of the products are Widespread in the market.



Macrofiltration

macro filtration membranes are majorly used in water & wastewater treatment industry for purifying fresh water, desalination treatment and reclamation. And that by the passage water through a membrane porosity of more than 5 mm.

MF does not remove dissolved contaminants.



Microfiltration

microfiltration (MF) uses physical separation to remove suspended solids and bacteria from water streams through a membrane porosity of between 0.1 to 10 mm. MF does not remove dissolved contaminants.



Ultrafiltration

ultrafiltration is a water treatment process that uses a fiber or a sheet membrane to mechanically filter water containing very small particulate.

An ultrafiltration drinking water system uses this super fine membrane technology to filter particulate down to 0.025 microns.



Belt Press

Belt Press is one of the products that our company is specifically interested in, as we have a good relationship with suppliers from various countries.

It's made from stainless steel rack, and several parts, Belt Press can continuously auto feed, squeezing, filter cleaning.

aquarabia can supply screw press else.



DAF

Dissolved air flotation (DAF) is a very effective way to separate suspended solids and emulsified oils from industrial waste streams by producing air bubbles and mixing with wastewater.

aquarabia can supply DAF plant and its spare parts.



Electro Coagulation

Electrocoagulation (EC) technology is the electrochemical production of metal ions such as Al and Fe that act as destabilizing agents.

aquarabia have experience which qualifies us to establish the largest projects



MBBR

Single stage BOD removal, used as a freestanding treatment process.

MBBR system consists of an aeration tank with special plastic carriers that provide a surface where a biofilm can grow.

aquarabia has completed many MBBR projects for several companies



MBR

Membrane bioreactors (MBRs) are a promising process combination of activated sludge treatment and membrane filtration for biomass retention.

MBR is one of the most well-known methods of wastewater treatment plants and **aquarabia** have many plants that work efficiently.



SBR

SBR is one of the most economical methods of wastewater treatment because SBR designed to save space and don't want to add clarifiers the operating cost is cheap and available.



Boilers Water Treatment

The treatment and conditioning of boiler

feed water must satisfy three main objectives, Continuous heat exchange, Corrosion protection and Production of high quality steam

aquarabia Guarantee this objectives and offer that by high quality and competitive price



Chillers & Cooling Towers Water Treatment.

aquarabia offers the most advanced cooling water treatment solutions on the market, designed specifically to enhance and maximize your production output and heat transfer efficiency, and helps avoid equipment failures, maintenance costs.

aquarabia can supply Corrosion inhibitor , Scale inhibitor and Biocides with Full Technical Support, Chemical analysis, Chemical program and Supply Water Treatment Chemicals



Chemical Dosing Systems.

chemical dosing system is a facility for automated injection of reagents into a wastewater network for the control of septicity and odour emissions.

These systems are typically used at pump stations, sewer manholes, and rising mains. However, they can be installed any place where odour containment is required.



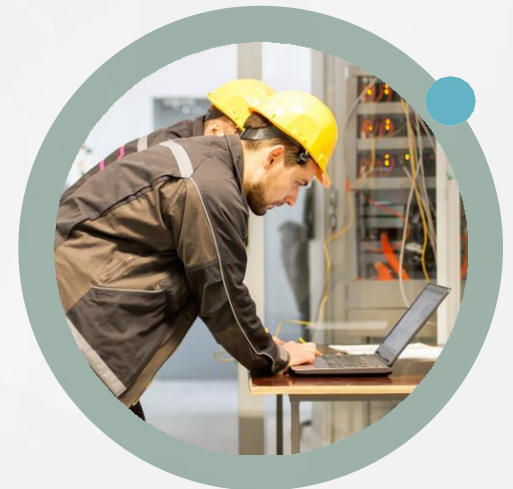
Engineering & Contracting

Depending on client's requirement, we take the respective environmental conditions and operational circumstances into consideration. Complete and tailor-made solutions from aquarabia simplify the construction process from planning to execution, up to plant operation.



Operation & Maintenance

Building on our technical and organizational expertise, we offer a complete range of Operations & Maintenance services to its customers. The key objective is to keep customer's investments, by continuously optimizing their operations. A scientific program of preventive maintenance and periodic repair ensures that the projects remain in peak condition.



Installation & Commissioning

Correct installation and commissioning will ensure a high degree of operational reliability. To achieve a trouble-free, start up.



Replacement & Rehabilitation

Old plants need renovation and sometime redesign that save cost of operation and ensure long life for plant.



Dosing Programs

we take a thorough and systematic approach to determine how specific chemistry can maximize productivity in new systems or improve the performance and extend projects life in existing systems.

That focused approach never ignores the fact that customers need and demand the most cost-effective solution so that is always our goal too.



Supplies, Equipment, Spare Parts, Water Treatment Chemicals

With our after –sales services we provide all relevant spare parts and chemicals, we provide our client the more efficient components.



Delivery Systems

we have come up with the best formulas to deliver our services for all kinds of clients, in order to achieve the fastest service and the best performance.



Analysis & Design

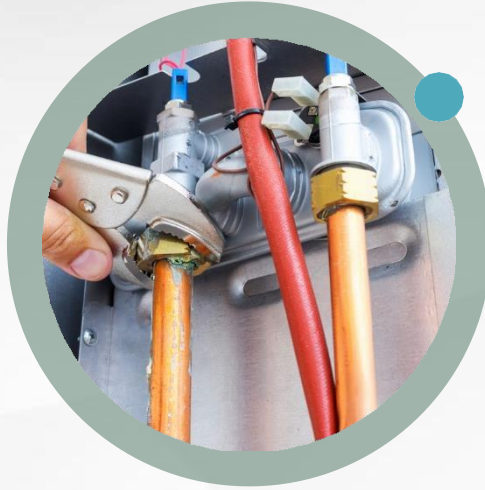
Efficient analysis and design are the key to successful project development.

Efficient designs and analysis can reduce the likelihood of project failure, along with assurance to safety and regulatory standards.



Technical Advisory

For existed or new Projects, using our experience we can provide our client the convenient solution or system.



Whole System Check Up

Comprehensive check to give our clients a complete understanding of the entire processes and the status of projects.



Customized Design

aquarabia is an experienced partner to develop and produce customer- specific solutions according to their purposes taking into consideration their portfolio and the internal and external environment conditions.

Our clients

aquarabia for desalination &
engineering systems

METITO





النساجون الشرقيون
Oriental Weavers



Our clients

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THANK YOU



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