

# *COMPANY PROFILE*

2025



 [www.alwataniawater.com](http://www.alwataniawater.com)



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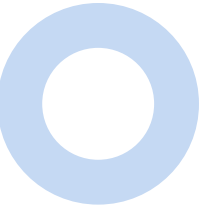
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# INTRODUCTION



# Who We Are?

Founded in 2003, Al-Watania Water Technology brings over two decades of expertise in water solutions. With 8 strategically located branches across Egypt and a cutting-edge manufacturing facility in Beni-Suef, the company has become a key player in the water technology sector.

Al-Watania is proud to hold the ISO 9001:2014 certification, reflecting its unwavering commitment to quality and operational excellence. Additionally, the company has earned recognition from leading European agencies, further solidifying its reputation for providing innovative and reliable water technologies that meet the highest international standards.



# Vision

**At Al-Watania Water Technology, we are dedicated to developing and enhancing the latest advancements in water treatment technologies. By integrating continuous technological innovation, we strive to become a leader in the water treatment industry. Our vision is aligned with our strategic planning for 2030, focused on ensuring a clean and sustainable environment for future generations. We are committed to meeting our customers' needs with speed, precision, and the highest level of quality, while contributing to a healthier, more sustainable world.**

# Goals and Aspirations

At Al-Watania Water Technology, our primary goal is to achieve complete customer satisfaction by delivering high-quality services and innovative water solutions. We strive to offer competitive pricing within the water technology sector while expanding our presence and market share across Egypt.

We are committed to building a unified, cohesive organization that works collaboratively to drive success. Additionally, we prioritize enhancing our after-sales services to ensure our customers receive the highest level of support and peace of mind throughout their journey with us.

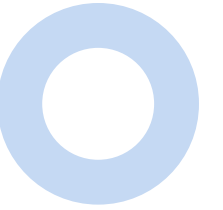
# Social Responsibility



**Al-Watania Water Technology is committed to positively impacting society by enhancing our efforts to meet community needs. We actively support charitable initiatives, contributing to a more sustainable and prosperous future.**

# OUR SCOPE






- **Industrial wastewater treatment**
- **Sewage treatment**
- **Desalination**



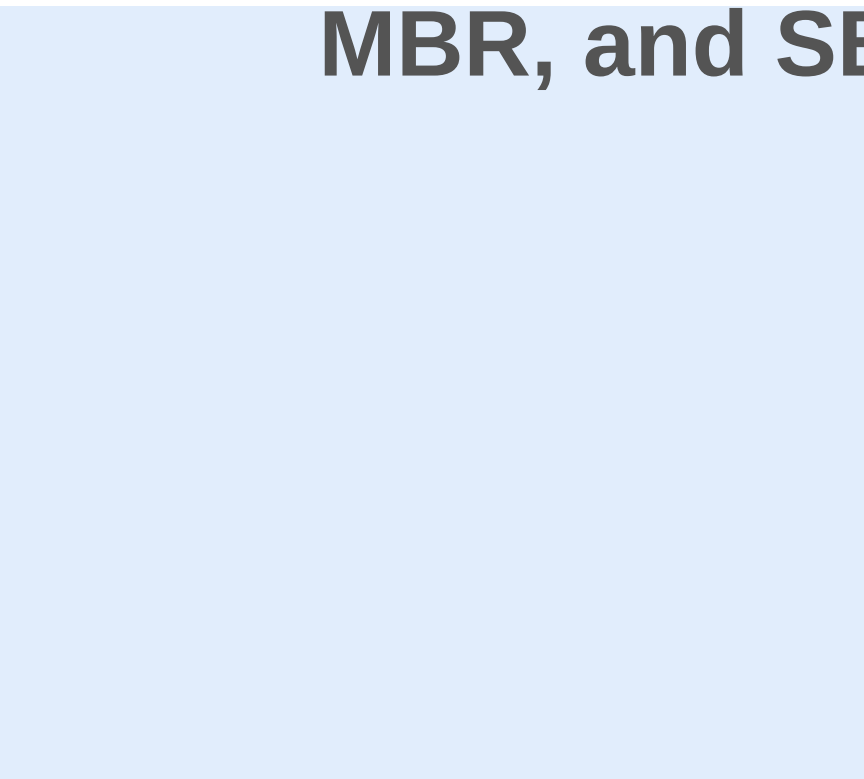
# OUR PRODUCTS







**In industrial waste management, the G-WASTE system offers a comprehensive solution to all industrial waste challenges. For sewage treatment, we utilize advanced systems including MBBR, MBR, and SBR to ensure efficient and effective treatment.**



# Mechanical Treatment





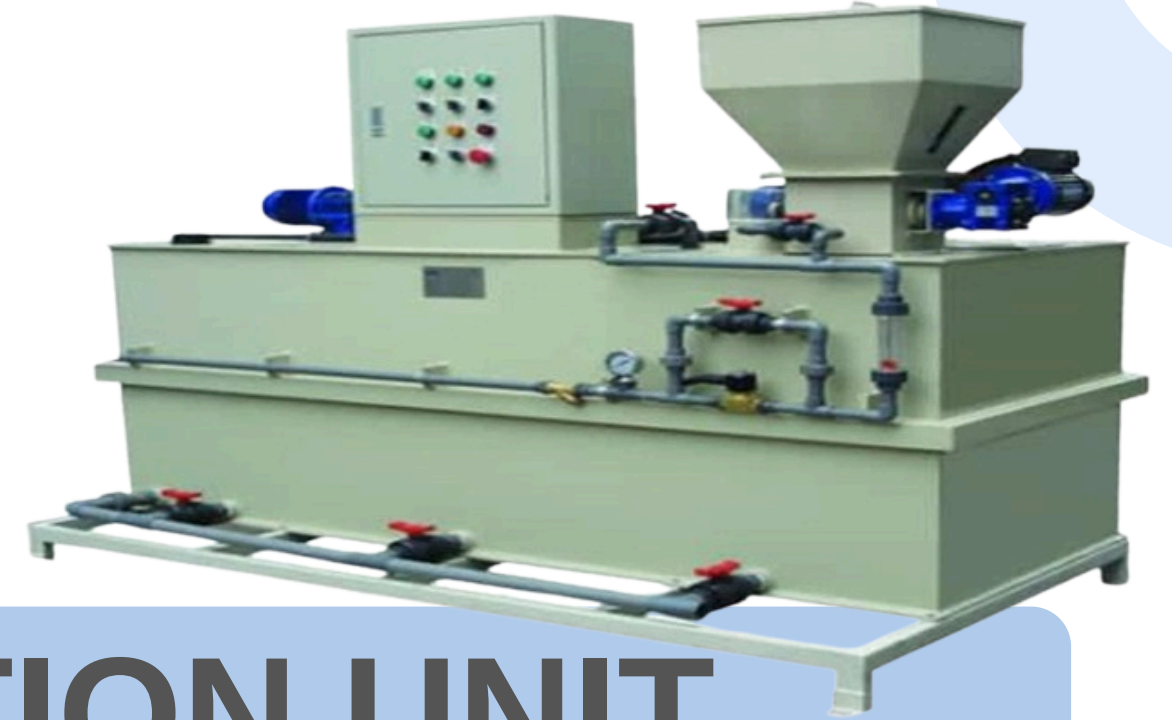
# SLUDGE BRIDGE

- Clarifier Hot Dip galvanized Bridge AISI316 peripheral driven scrubber immersed
- power: 400V/50HZ
- Motor production: IP55
- Insulation Class: F
- Diameter: 25M
- Side water Depth: 3.12M



## DAF SYSTEM

- Technology is utilized to remove oils grease solids and suspended flocculants that don't possess sufficient buoyancy to float
- Micro-bubbles (30 to 50 micron range)
- It includes a single movement separator which rotates against the hydraulic flow of the water helping minimize the skimming distance of the floated sludge and eliminating solids carry-over



# POLYMER PREPARATION UNIT

- Production Rate: 1000 L/h of polymer solution
- Solution Concentration: 0.05% to 0.5%
- Chambers: Three Chambers
- Material: Stainless Steel(SS304/SS316) or HDPE
- Dimensions: 2 m × 1 m × 1.5 m
- Speed: 50–150 RPM
- Power: 0.5–1 kW



**DEWATERING SCREW  
PRESS**



**BELT PRESS**

# CENTRIFUGE TANK

- Separate solid particles from liquid suspensions through the centrifugal force facilitating efficient dewatering of sludge and production of clarified liquid effluent.







**DOSING PUMPS**



**CONTROL HEAD**

# Biological Treatment





## **MBBR**

**The MBBR technology involves developing biomass and producing high-quality liquid waste using compact reactors, enabling the use of treated wastewater for fire-fighting or secondary irrigation purposes**



**MBBR System  
compact unit**



## **AIR DIFFUSER**

**The Air diffuser used in water to transfer oxygen, support aerobic, processes, promote microbial growth, degrade organic matter, improve mixing, control odors, suspend solids, and regulate temperature.**



# SBR

**In this technique, the process is run in batches and all the different conditions are achieved in the same reactor but at different times**

# Physical Treatment





## BAR SCREEN

General design criteria

- . Bar width: 1/4 to 5/8 inches
- . Spacing: 5/8 to 3 inches
- . Depth: 1 to 1.5 inches
- . Slope: 30-45 from the vertical



## Multimedia filter

Operating pressure: 1 bar

Maximum pressure : 5 bar

Material: fiber glass

Coating: fiber glass

Media type : sand, gravels and carbon





# G-WASTE SYSTEM

- Specification
- Temperature: 60 degrees
- Operation: automatic
- PH Range: 2-14
- Power: 380V



**VESSEL**



**HIGH FLOW  
FILTER**



**DRUM FILTER**

# OTHER PRODUCT



# RO SYSTEM

Ro system removes most of dissolved solids from water with porosity 0.001 microns Also have an effect on bacteria and virus removal





# THE COMPONENTS

## WATER PURIFICATION SYSTEM

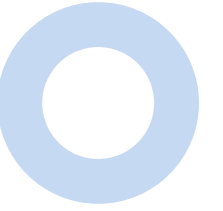


## WATER SOFTENER



## RO MEMBRANE





# CHEMICALS TREATMENT



# The company also provides the following chemical materials:



**Activated carbon**



**Sodium hypochlorite**



**Sodium hydroxide**



**Poly Aluminum chloride**



**Aluminum sulfate**



# The company also provides the following chemical materials:

**Resin**

**Cationic Polymer**

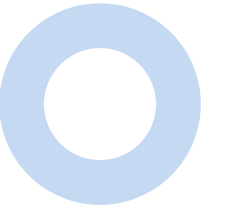
**Anionic Polymer**

# OUR SERVICE





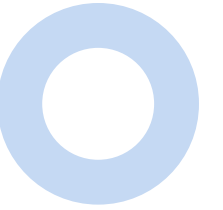
- **Water desalination devices for all stages, including single, dual, triple, quadruple, quintuple, sextuple, septuple, and more.**
- **Water purification and desalination plants for all purposes.**
- **All types of charged multi-grade sand filters.**
- **Various sizes and capacities of micron filters.**
- **All types of resin, iron, and manganese removal units.**
- **All types and sizes of osmotic pressure membrane housings.**



- **All sizes of micro-filter housings.**
- **All types of chemicals used in treatment processes.**
- **Design of plants for various purposes and applications.**
- **Maintenance of all types of intermediate filters.**
- **Maintenance of all types of plants.**
- **Various sizes of bacterial filters.**
- **RO desalination plants.**

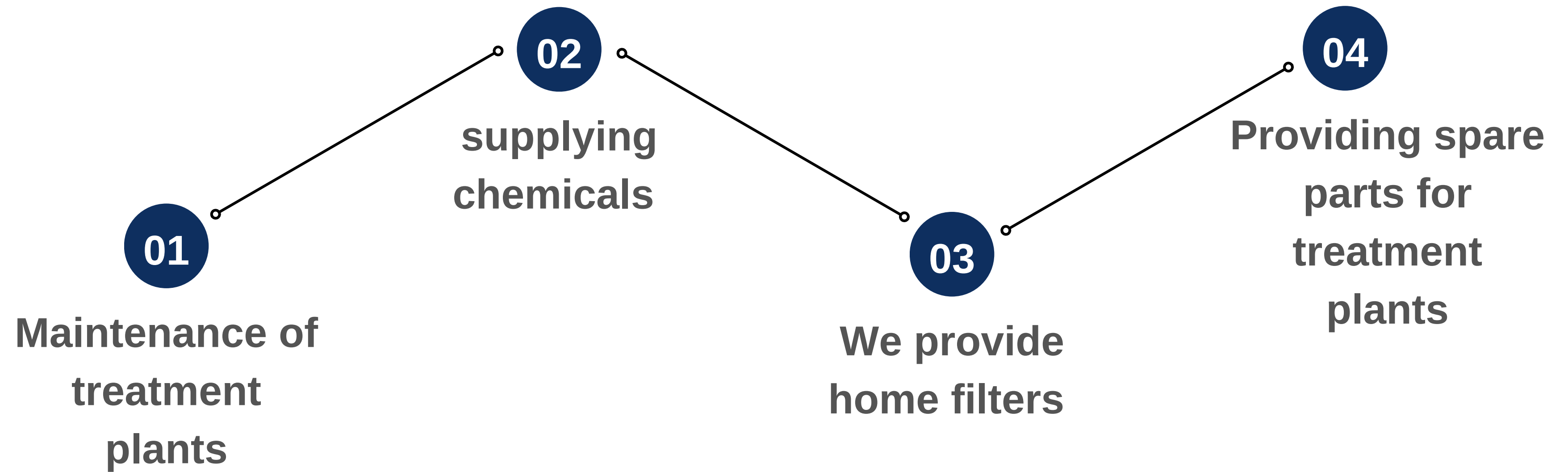


- **Various models and brands of head control systems.**
- **Manual head control systems.**
- **Osmotic pressure membranes in different energies, models, and brands.**
- **UV light bulbs.**
- **All types of pumps used in stations, both horizontal and vertical.**
- **All types of chemical injection pumps.**
- **All types of containers (vessels) in various sizes and brands.**



# Other services provided by AL-Watania

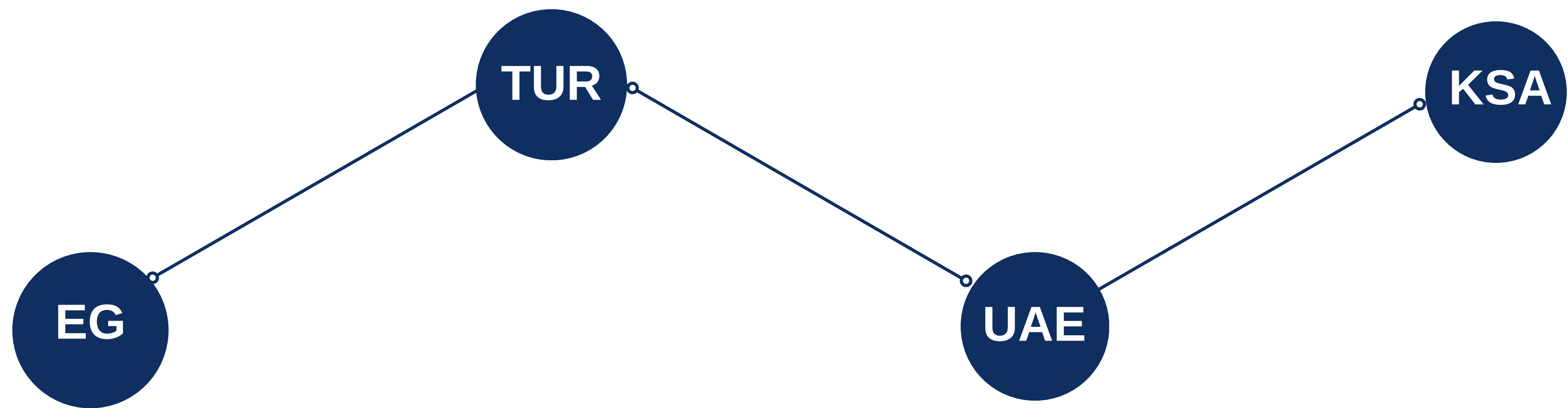


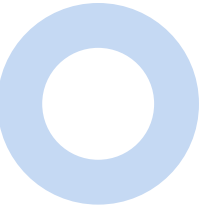


# Countries served by AL-Watania









# OUR CLINTS



WE HAVE CLIENTS IN VARIOUS FIELDS AND HERE ARE SOME  
OF THEM:



WE HAVE CLIENTS IN VARIOUS FIELDS AND HERE ARE SOME  
OF THEM:



# THANK YOU!

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