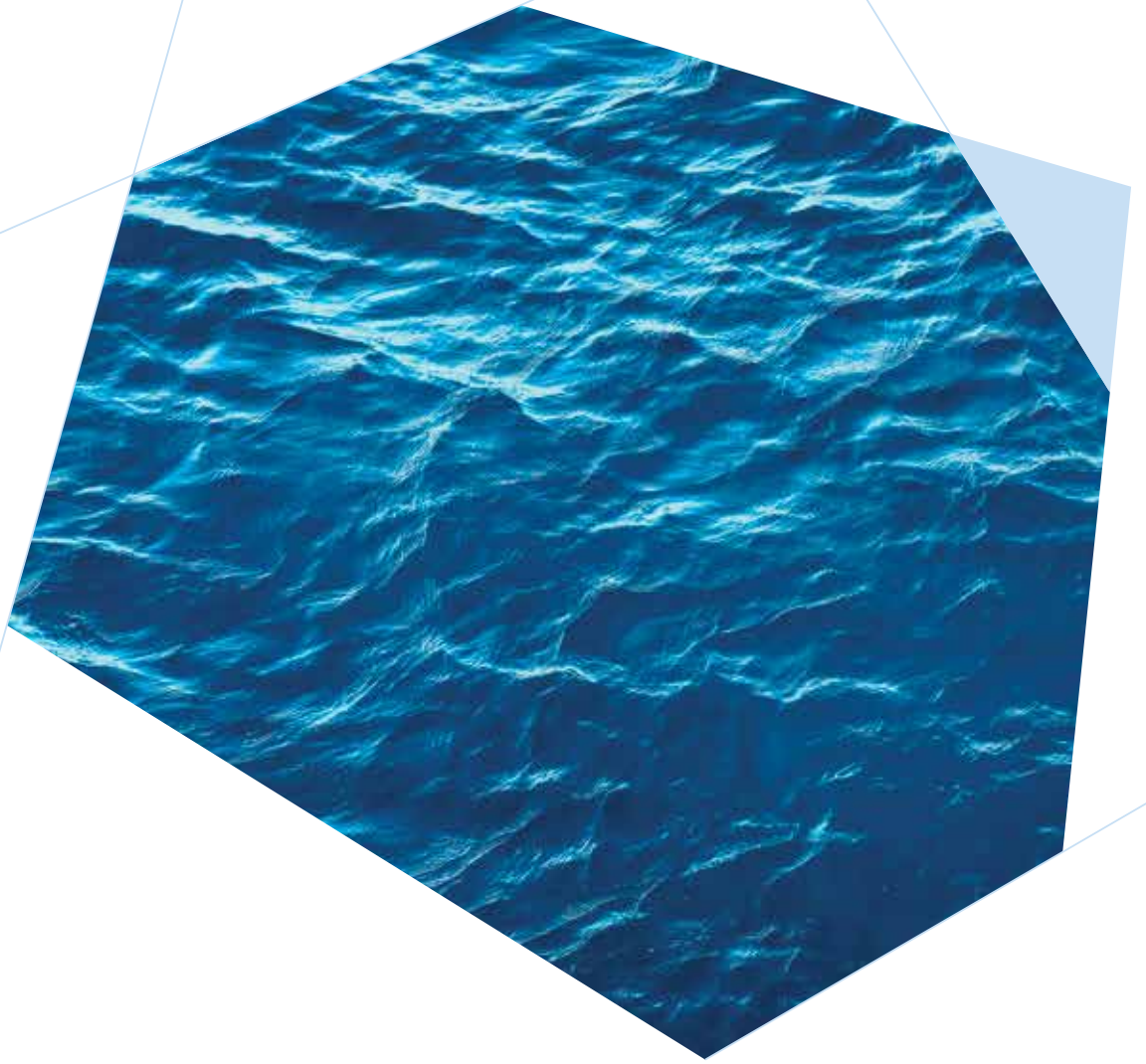




**Your Trusted Partner
for Water and
Wastewater Treatment**



**YOUR WATER,
OUR SOLUTION.**



**“Water is life’s matter and matrix,
mother and medium. There is no life
without water.”**

Albert Szent-Gyorgyi,
Hungarian Bio Chemist and
Nobel Prize winner for medicine

Fresh water is a scarce and rapidly depleting resource. According to the Food and Agriculture Organization of the United Nations, population growth, over exploitation and destruction of natural ground water bodies has led to an over 50% decline in renewable fresh-water resources per capita over the past 60 years.

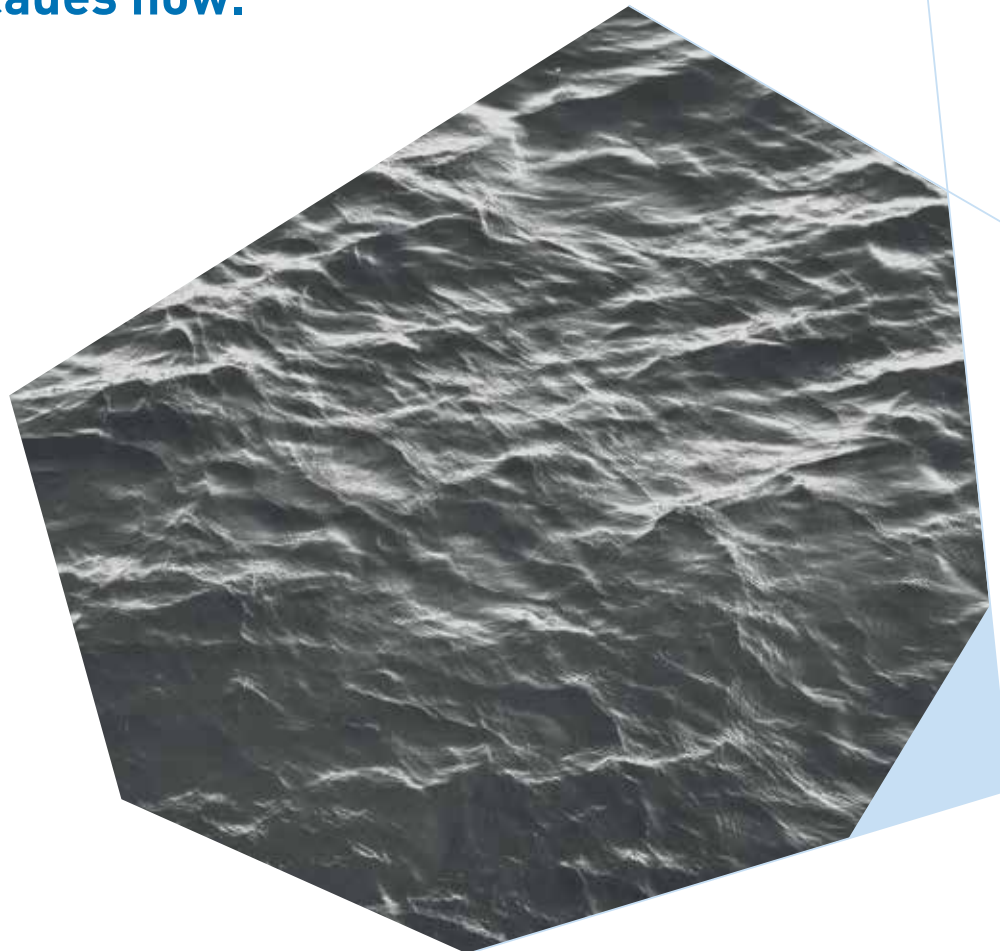
Today, many of the most populous and particularly the poorest regions in the world suffer from extreme fresh-water stress. In some regions more ground water is consumed than is naturally replenished. Water tables have been shrinking at an alarming pace.

Leaving aside the ecological and ethical aspects, purely from a practical point of view, fresh water is essential for every human endeavour. Any agricultural, industrial, or even leisure activity needs water.

This is the niche space Advanced Watertek operates in. We treat sea water/ground water making it safe for consumption, or recycle wastewater for reuse.

Advanced Watertek was established in 1984. We specialize in engineering and manufacture of easy to use and maintain water treatment solutions for various applications.

We have installed our systems in over 50 countries across the world, some of which are in operation for several decades now.



THE CORNERSTONES OF OUR SUCCESS

1



A committed team of trained and experienced engineers, technicians, and support staff

2



An unflinching dedication to Quality and HSE

“Do it right the first time around, or don’t do it at all.”

Mohammed Farghaly,
Founder & Managing Director,
Advanced Watertek

3



Expertise gained over three and half decades from diverse installations in challenging conditions across the world

4



Sizeable inventory and ready stock of spare parts, consumables and chemicals



5



State-of-the-art manufacturing facility with capacity to build systems from 5m³ a day to 5000m³ a day

THE ADVANCED WATERTEK ADVANTAGES

- ▶ Durable and reliable products
- ▶ Systems that are easy to operate and maintain
- ▶ Energy-efficient and environment friendly designs
- ▶ High-quality components sourced from Europe, Japan and USA
- ▶ An impeccable track record of on-time delivery and commissioning
- ▶ Skilled and experienced technical support team at your service 24/7
- ▶ Reliable source for spare parts, components and consumables
- ▶ ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 certified
- ▶ ADNOC ICV Certified





WASTEWATER TREATMENT SOLUTIONS

Why should we treat wastewater?

Water reuse and recycling has several benefits. These include

Environment and sustainability

- ▶ Reduce ground water use and stress on water table
- ▶ Prevent soil and water pollution

Financial

- ▶ Recycled water can be much cheaper than municipal water

Regulatory

- ▶ Stringent regulations on disposal of waste water
- ▶ Mandatory requirements for recycle and reuse for non-potable applications such as gardening and flushing

The range of wastewater treatment plants that can be designed and installed by Advanced Watertek include:

- ▶ Sewage Treatment Plants (STP)
- ▶ Effluent Treatment Plants (ETP)
- ▶ Grey Water Recycling Plants
- ▶ Wastewater Recycling from Laundries and Carwash
- ▶ TSE Polishing Plants
- ▶ Produced Water Recycling Plants



Our water treatment and wastewater treatment solutions serve as a one-stop-shop for institutions seeking integrated services from an end-to-end provider.

ADVANCED SOLUTIONS FOR YOUR WATER NEEDS

Every project or installation commences with a detailed analysis and understanding of our client's requirements. Rather than adopt a 'one system fits all' approach, we design customized solutions which encompass the entire range - from filtration units to water recycling packages.

We offer technologies and more sophisticated levels of automation based on the clients' specific needs.

Reverse Osmosis Systems

An RO system operation involves the application of excess pressure to one side of the solution, causing it to pass through a semipermeable membrane that filters out contaminants down to the smallest particles.

Based on the level of dissolved salts and minerals in the source

water, RO systems are categorised into:

- ▶ Brackish Water Reverse Osmosis System
- ▶ Sea Water Reverse Osmosis System





Advanced Watertek is a leading supplier of high quality, bespoke skid-mounted and containerised water treatment solutions for brackish and seawater. Our experts work closely with clients to understand critical project parameters such as contaminants to be removed, water throughput, serviceability requirements and space restrictions prior to design and manufacture.

Filtration Systems

Filtration can effectively remove suspended solids from the feed water. Some of the common filtration types are

- ▶ Multi-media Filtration
- ▶ Ultrafiltration
- ▶ Nano Filtration
- ▶ Activated Carbon Filtration

These units are used as pre-treatment in Reverse Osmosis systems or stand alone for filtration of ground water.



Disinfection Systems

After an RO or filtration process, an added stage of disinfection may be required to eliminate the remaining bacteria, parasites, or viruses.

The most common methods of disinfection are chlorine dosing and Ultraviolet (UV) treatment or ozonisation.

Disinfection systems are typically installed on potable water systems to ensure the water is safe for human consumption.





Ultra-pure Water

Ultrapure Water is water treated to an exacting level of purity. Industries and commercial establishments such as F&B, manufacturing units, medical laboratories and pharmaceutical plants are mandated to use high-quality water that conforms

to industry norms and standards for testing and other applications.

We design and build robust and high quality ultra-pure water treatment systems using Demineralization or Electro Deionization technologies.



TRUSTED, PROVEN, TIMELY AFTER SALES SUPPORT

Being an essential resource, any down time in your fresh water production can have disastrous consequences. Reason why our certified service experts and trained technicians are available 24X7 to provide on-site support.

Preventive Maintenance

Neglecting routine maintenance can reduce the system life, increase maintenance costs and chances of breakdowns. We provide cost effective preventive maintenance and trouble-shooting services which include condition monitoring. A maintenance contract with us offers you the assurance of minimal down time.

Repairs and Refurbishment Services

Poor maintenance programs, use of inferior components and consumables, untrained operators or changes in ground water properties can all damage your system. Like any electro mechanical equipment, a water treatment system is not immune to routine wear and tear. Advanced Watertek has extensive expertise in restoring systems from any manufacturer to full performance.

Supply of Spares, Components, and Chemicals

Our extensive inventory ensures quick replacement in case of need. We stock genuine RO spare parts and accessories at our warehouse at Dubai - essentials such as Reverse Osmosis Membranes, Filters, TDS Meters, Flow Meters, Feed Pumps, PH Meters and Water treatment chemicals.



UNIQUE SOLUTIONS FOR DIVERSE INDUSTRIES

With our customized and consultative approach, we offer water treatment solutions that meet unique requirements of a wide range of industries.

Oil & Gas

- ▶ Seawater / brackish water RO Systems for potable applications
- ▶ Sewage / effluent treatment
- ▶ Blowdown recycle & reuse
- ▶ Produced water
- ▶ Drinking water
- ▶ Low sulfate water applications
- ▶ Oily water treatment plant
- ▶ Frac water applications
- ▶ Sanitary applications and utilities



Manufacturing Units and Other Industries

- ▶ Boiler blow down recycling systems
- ▶ Sewage / effluent treatment
- ▶ Process applications
- ▶ Drinking water systems
- ▶ Sterilization units
- ▶ High quality / ultrapure water





Residential Units, Commercial Establishments, and Communities

- ▶ Utilities and other applications
- ▶ TSE polishing
- ▶ Grey water treatment
- ▶ Sewage water treatment

Others

- ▶ Vehicle wash water recycling
- ▶ Laundry wash water recycling

Hospitality Industry

- ▶ Potable water for guests
- ▶ Potable water for construction camps
- ▶ Grey water treatment
- ▶ Sewage water treatment
- ▶ Swimming pool filtration and disinfection

Farming and Agri Applications

- ▶ RO water for irrigation
- ▶ Grey water recycling for irrigation or domestic use



Livestock Rearing and Fishery

- ▶ Water for animal consumption
- ▶ Potable water for staff use
- ▶ Grey water recycling

OUR KEY CLIENTS



Office Of H.H
Sheikh Hamdan Bin Ahmed Al Maktoum
Investment - Dubai



مكتب
الشيخ حمدان بن أحمد آل مكتوم
للاستثمار - دبي



Head Office

Advanced Watertek Pty Ltd.
Unit 1/33 McCoy Street, Myaree,
Western Australia 6154.
Tel: +61 8 9317 4893

Regional Office and Manufacturing Facility

Advanced Watertek Industries LLC
Ras Al Khor, Al Aweer.
PO Box 24647, Dubai, UAE
Tel: +971 4 3333 100

Oman Office

Advanced Watertek Oman
PO Box 1541, PC: 130,
Shop No. 3 & 4, Hatat Complex "A",
Wadi Adai, Muscat, Sultanate of Oman
Tel: +968 9133 2738