



**VWTEK**

ENVIRONMENTAL TECHNOLOGIES

**WE TREAT the WORLD'S WATER!®**

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WATER, WASTE WATER TREATMENT AND RECYCLING SYSTEMS





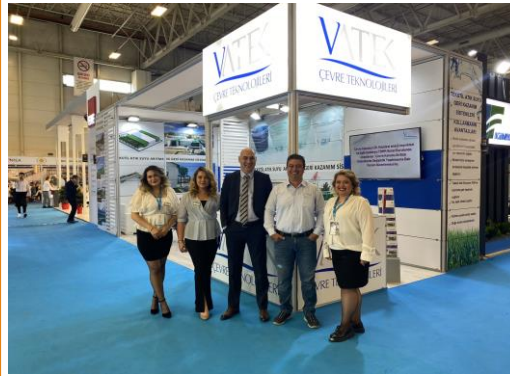
Turnkey Contracting, Consultancy, Technical Service, Consumables and Equipment support in water treatment systems, wastewater treatment systems, and wastewater recycling systems we have become the only solution partner of our customers in water-related issues.

Vatek Family, which grows locally and globally, aims to present the power of our Country's Engineering and Workmanship to whole World with its partner companies in Romania, Pakistan, Uzbekistan and Albania, and sales office in the UK.

# SERVING MORE THAN 50 COUNTRIES

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# OUR STRENGTH



**Global network and references all over the world**



**Solution partner of the customers both in water and wastewater systems**



**Engineering department ability that gives fast response to the customer requests**



**Tailor made solutions for the customers**



**Supervision and technical experience service**



**Communication tools that can be used as demonstrations, lectures, speeches, reports, and more.**

# WHAT WE DO ?

## WATER TREATMENT SYSTEM

- Container Type Water Treatment Systems
- Trailer Type Water Treatment Systems
- River Water Treatment Systems
- Sea Water Treatment Systems
- Grey Water and Rain Water Treatment Systems
- Greenhouse Water Treatment System

## WASTEWATER TREATMENT AND RECYCLING SYSTEM

- Conventional Type Wastewater Treatment Systems
- Package Type Textile Wastewater Treatment and Recycling Systems
- Package Type Wastewater Treatment Systems

## INDUSTRIAL PURE WATER TREATMENT SYSTEM

- Pre-Filtration Systems
- Ultrafiltration Systems
- Reverse Osmosis Systems

## MEDICAL WATER TREATMENT SYSTEM

- Hemodialysis
- Neutralization and Disinfection Systems



# CONVENTIONAL TYPE WASTEWATER TREATMENT SYSTEM

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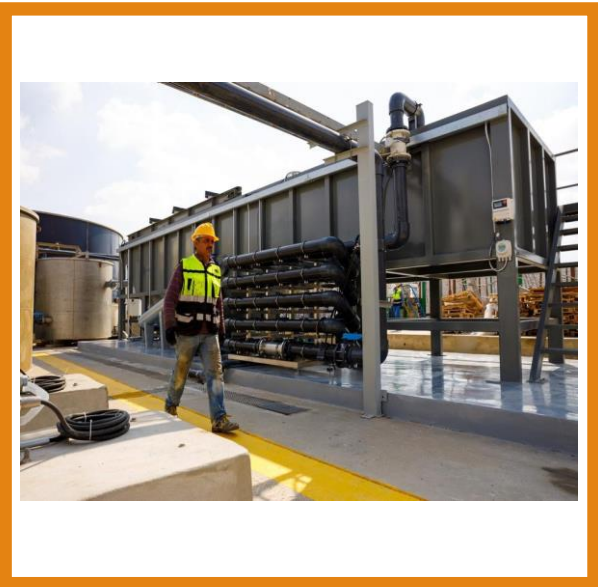
This systems are designed for especially minucipaliities and high capacity industrial applications

- Textile Industry
- Leather Processing Industry
- Bavarege
- Chemical Production
- Mining

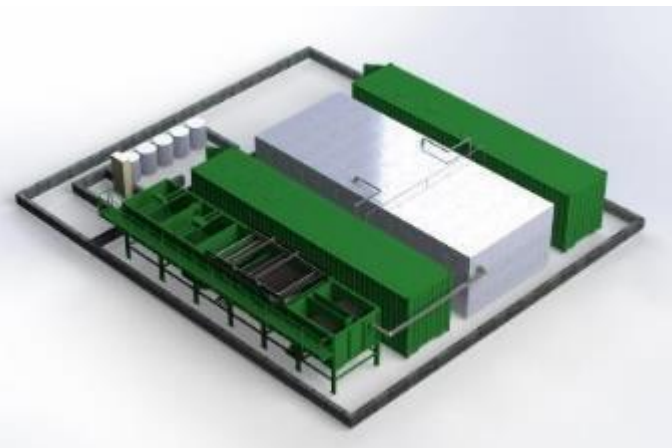
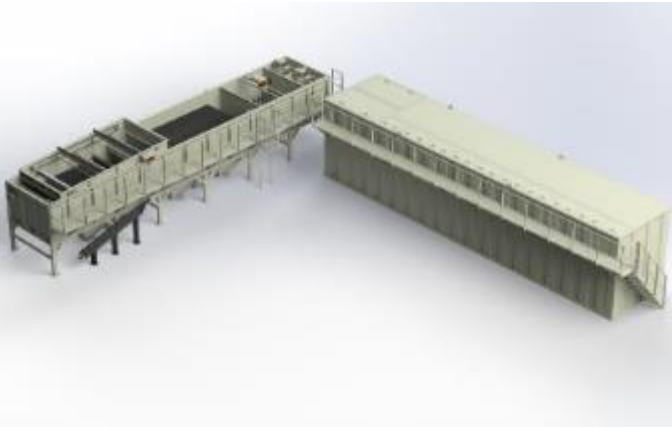
# PACKAGE TYPE WASTEWATER TREATMENT SYSTEM

These small-scale WWTP units have high priority in low population density areas, where the discharge of sewage to a central WWTP through a drainage system is not profitable. Constructing too long drainage conduits is not rational for two reasons: high costs and stagnant wastewater.

The Council Directive 91/271/EEC concerning urban wastewater treatment states that where wastewater collection systems are not justified either by economic or environmental aspects, individual systems should be used



# PACKAGE TYPE TEXTILE WASTEWATER TREATMENT & RE-USE SYSTEMS



The textile wastewater recovery system has the capacity to treat 90% or more of the wastewater from the textile washing and dyeing industry, thus contributing to the company's economy.

In the textile wastewater recovery system, the system is prepared and delivered in a container. At the same time, you can easily increase the capacity by placing additional container. You can use the textile wastewater recovery system without the need for a separate building and an additional area.



# CONTAINER TYPE WATER TREATMENT SYSTEM



Mobile water treatment systems that meet the need for water quickly, reliably, easily and economically.

Container systems can be designed tailor-made, regardless of the raw water supply and the amount of water to be treated. Container type water treatment systems are fully assembled inside the container and ready for commissioning.



# TRAILER TYPE WATER TREATMENT SYSTEMS



Trailer type water treatment systems are generally preferred at sites that have space problems and has less ability to have workforce. Specially, armies need Trailer Type Water Treatment System, because this Type Water Treatment is mobile and it has wheels.

Therefore it can be moved, where needed.

Water Treatment System stages and equipments can change according to quality of raw water.



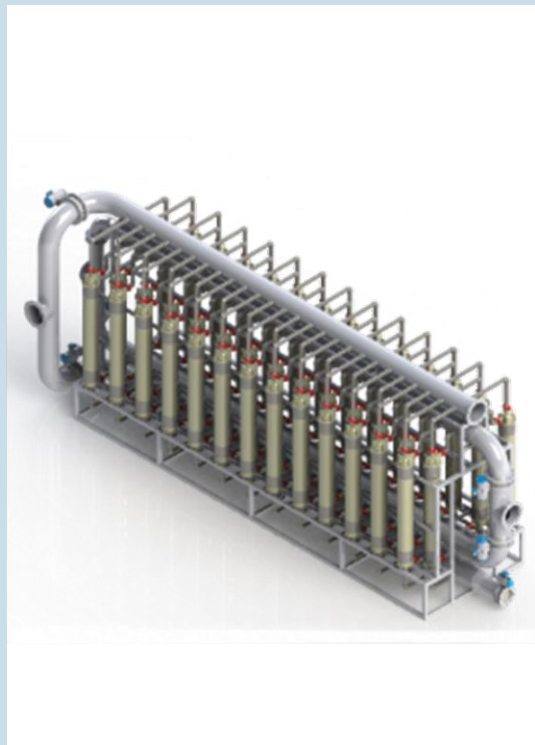
# FILTRATION SYSTEMS

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We design and manufacture for treatment of physical pollutants from water sources. These systems provide treatment of well and surface water to potable water.



- Tailor Made Solutions
- Unlimited Capacity
- Easy Assembly
- Easy Monitoring
- Long Lifetime
- High Efficiency



# ULTRAFILTRATION SYSTEMS

Ultrafiltration is a membrane separation process in which a porous membrane is used to separate or reject colloidal and suspended solids also with removing of bacteria and viruses with 0,02 micron filtration rate.

UF Systems are used in:

- Municipalities
- Food and Beverage
- Military Zones
- Pre-Treatment of RO
- Industrial Zones
- Water Recycling

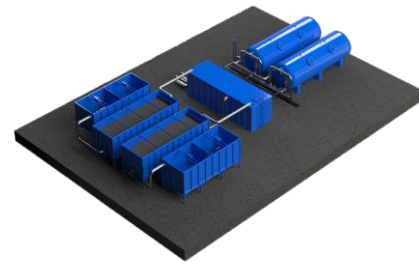
# REVERSE OSMOSIS SYSTEMS

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Dissolved organic and inorganic substances ( bitter, high conductivity, etc) salts, heavy metals, viruses and bacteria in the water are treated with reverse osmosis systems Up to 96 - 99 % of purity in water could be achieved Water with different sources such as well water, tap water, sea water etc could be treated with high purity using Reverse Osmosis Systems.





# RIVER WATER TREATMENT SYSTEMS

We design and manufacture compact units for river water treatment and similar water sources. These systems provide treatment of river and surface water to domestic water.

- Mobilized Containers,
- Easy Assembly

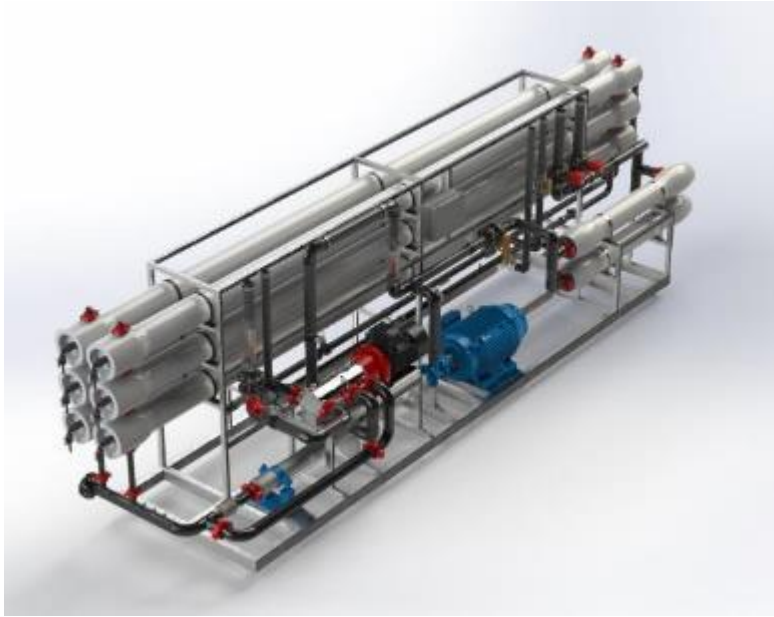
Systems are used in:

- Villages and rural areas
- Temporary settling areas
- Military zones
- Farms
- Industrial zones
- Construction areas



# SEA WATER TREATMENT SYSTEMS

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Reverse osmosis system is one of the most common methods for the desalination of sea water. The salinity of water is removed by sea water treatment systems and the water is covered freshwater quality.

Seawater treatment systems provide water for general use or potable water.





# GREENHOUSE WATER TREATMENT SYSTEMS



Good water quality is one of the most important factors in growing quality of greenhouse crops, yet it is often taken for granted, and it is often assumed that all water is compatible for plants.

Poor quality water can be responsible for slow growth, poor aesthetic quality of the crop and in some cases, can result in the gradual death of the plants. High soluble salts can directly damage roots, interfering with water and nutrient uptake. Salts can accumulate in plant leaf margins, causing burning of the edges. Water with high alkalinity can adversely affect the pH of the growing medium, interfering with nutrient uptake and causing nutrient deficiencies which reduce plant health.



# MEDICAL, NEUTRALIZATION & DISINFECTION SYSTEMS



Most of the liquid medical wastes formed in the hospitals and medical institutes are directly given to the wastewater collection chamber without any treatment methods.

Liquid medical wastes generally occur from the following applications:

- Medical Laboratories,
- Dialysis Centers,
- Sterilization Units,
- Dental Clinics,
- Care Units,
- Operating Rooms



# Our Representative Offices



Vatek Water And Waste Water  
Treatment Technologies LTD.

Office 3&4 338A Regents Park  
Road, LONDON/ENGLAND

Phone: +44 743 702 41 06  
E-mail: [info@vatekcevre.com](mailto:info@vatekcevre.com)



VATEK Romania

Oraş Pantelimon, Strada SF  
GHEORGHE Nr. 20  
ILFOV/ ROMANIA

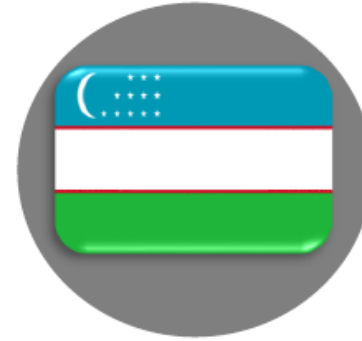
Phone: 0040 720 43 21 21  
E-Mail: [msismsek@vatek.ro](mailto:msismsek@vatek.ro)



VATEK-AL Sh.P.K

Rruga "Reshit Çollaku",  
Pallati Nr. 38, Shkalla Nr. 1,  
Apt.7, Kati 4 Tirane/ALBANIA

Phone: +355 69 726 44 45  
E-Mail: [info@vatek-al.al](mailto:info@vatek-al.al)



EJİ BEREKET

Taskent Uzbekistan  
Shayhontohur T. Zangiota  
Koch. 7

Phone: +99 89 90 10 99 08  
E-Mail: [esen@ejibereket.com](mailto:esen@ejibereket.com)



ASSYST APPAREL SOLUTIONS

231-A Block F1, WAPDA Town,  
Lahore/Pakistan

Phone: (+92) 321 9092777  
E-Mail: [info@assystas.com](mailto:info@assystas.com)



## HEADQUARTER

Mehmet Akif Mah. Tavukçuyolu Cad.  
No:150 D:3 Ümraniye/ İstanbul/ TÜRKİYE

## FACTORY-1

Sultan Orhan Mah. 1172.Sok No:25/1  
Gebze / Kocaeli / TÜRKİYE

## FACTORY-2

Saray Mah. 58. Cad. Eski 58. Sok. No:22/1  
Kahramankazan –Ankara / TÜRKİYE

## PHONE

+90 216 526 0426

## EMAIL

info@vatekcevre.com



[www.linkedin.com/company/vatek-çevre-teknolojileri](http://www.linkedin.com/company/vatek-çevre-teknolojileri)



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