



TREATMENT SYSTEMS FOR MILITARY FACILITIES





By closely following the technologies of water and wastewater treatment systems in developed countries, VATEK Environmental Technologies provide turnkey contracting services in the fields of industrial, medical and public water treatment, project and consultancy, maintenance and technical service, consumables, equipment, spare parts and water chemicals internationally.

WATER TREATMENT SYSTEMS

Most infectious diseases are transmitted to the human body by water. In particular, military units do not have access to high quality water under certain conditions. This puts their health conditions at risk. Our special type of water treatment systems are used by military units that treat the unknown sourced or poisoning capable water to potable water.

We provide solutions with our **container type water treatment system**; mobile transportable systems that are not affected by ambient conditions (temperature, dust, etc.). Feed water source such as sea water, well water, river water only changes our designs. We manufacture these systems according to user needs. We can also add modular additions when capacity increase is the case.

We also provide **wastewater treatment systems** in the form of mobile package to provide water implying with discharge regulations.

Our services in Water Treatment Systems for Military Facilities are as follows;

- Filtration and softening systems
- Dosing and ultraviolet disinfection systems
- Reverse osmosis water treatment systems
- Ultrafiltration water treatment systems
- River water treatment systems
- Container type water treatment systems
- Wastewater treatment systems
- Sea water treatment systems

FILTRATION AND SOFTENING SYSTEMS



Description

Filtration systems remove suspended solids, particles and remove organic pollution. It is used to provide the water with desired hardness degrees to be used in production.

DOSING AND ULTRAVIOLET DISINFECTION SYSTEMS



Description

Dosage systems are used for many purposes such as; water disinfection, pH reduction and raise, corrosion prevention and so on. Ultraviolet device are used to sterilize water. It is effective in removing micro organisms such as bacteria, viruses, fungi and mold in water.

REVERSE OSMOSIS WATER TREATMENT SYSTEM



Description	Dissolved organic and inorganic substances (salty, 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.
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ULTRAFILTRATION SYSTEMS



Description

Suspended solids, microorganisms and bacteria could be removed from water without using chemicals thanks to the membrane structure of ultrafiltration systems.

RIVER WATER TREATMENT SYSTEMS



Description	Generally, river waters contain dense suspended solids. With the river water treatment systems, the water taken from the river is subjected to various treatment applications and turned into domestic water or drinking water quality.
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CONTAINER TYPE WATER TREATMENT SYSTEMS



Description	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.
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WASTEWATER TREATMENT SYSTEM



Description

It provides recovery and disposal of wastewater generated by domestic use in residential areas with unavailability of sewage system. At the same time, these systems are applied to meet the discharge criteria of wastewater from industry.

WASTEWATER RECOVERY SYSTEMS



Description

Not all water used in production or disposed as waste is not usable. It can be regenerated or used for general use with several water treatment system applications. When wastewater is recovered and used for production or other purposes (garden irrigation, vehicle washing), enterprises have a great advantage in terms of cost.

SEA WATER TREATMENT SYSTEMS



Description	With the sea water treatment systems, the salinity of the water is removed and the water is brought to the fresh water criteria. Seawater treatment systems provide water for general use or drinking water. Designing a specific system considering the energy consumption with the best treatment efficiency is crucial in sea water treatment systems.
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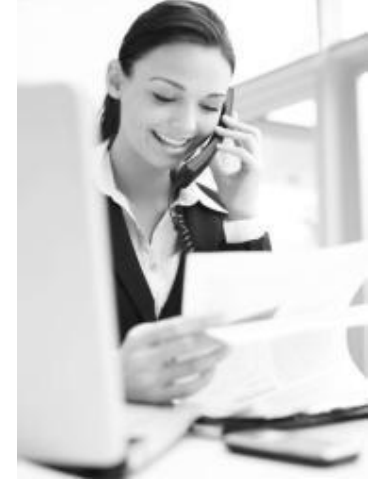
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