



ARTEMIS
ARITIM

www.artemisaritim.com

A close-up photograph of a snail with a light-colored, spiraled shell and a blue-grey body, resting on a vibrant green leaf. The leaf is covered in numerous small, clear water droplets, suggesting a recent rain or dew. The background is a soft, out-of-focus green.

We protect
nature and
life.

Company Identity



About Us

Artemis Aritim, which has been operating in environmental protection since 1998, has carried out several successful projects with its engineers and academic advisors who have international knowledge and experience.

The increasing demolition and pollution of natural resources due to the population growth and technological advancement increase the need of treatment facilities day by day. Concordantly, the selection of correct treatment technologies and the correct project design gain importance in terms of treatment efficiency, investment and operating costs. At this point, Artemis Aritim shall provide the most appropriate options for you in solving your problems.

ARTEMIS ARITIM offers the most true and fastest services for our customers in technical support, analysis and consultancy, in addition to the project, production, construction issues.

We enable the processes of getting permit and license to be carried out in the healthiest way starting from the beginning by offering an efficient professional consultancy service which is necessary for Environment Permit process, with our wide engineering staff.



Our Mission

To act with environmental liability and to make contribution to the sustainability of the companies by offering secure, permanent, effective and true solutions,

Our Vision

To be a solution partner which can provide the most rational solutions for customers with the wide range of products and services in Environment Sector.

Our Values

Transparency; We always behave honestly, ethically and clearly to our customers, employees and stakeholders.

Reliability; We perform our duties and promises fully, on time and as planned.

Innovativeness; We accord with the developing technology and changing conditions rapidly and follow and apply the innovations.

Adding Value; We analyze the needs of our customers and offer service according to their expectations.

Respect; We behave careful, respectful and prudently to our employees, customers, stakeholders and environment.

Our Certificates



Our Certificates



Treatment Facilities



Wastewater Treatment Facilities

The wastewater treatment system designs are created to be efficient, economic and long-lived, by expert engineers considering particularly the qualified management principle. The problems of our customers are checked at sources and business oriented solutions are generated. Wastewater treatment systems are divided into two: domestic and industrial. Before both wastewater sources are discharged, the receiving environment should certainly be brought in compliance with the discharging standards. This necessity is strictly followed both by Municipalities and the provincial directorates of Ministry of Environment and Urbanization and they apply severe punishments to companies following required warnings.

After the samples are collected from the wastewaters of your business and these samples are analyzed in our laboratories in accordance with the procedures defined in the regulations, the preparations are started in order to construct the most economic and efficient Wastewater Treatment Plant and it is delivered as being ready for use after the construction is completed. The process following the delivery, before the treatment plant is operated is also necessary. Only a well-operated treatment plant can reach the required efficiency. The efficient operation of treatment facilities are enabled with our effective operating and consultancy services.



Treatability Activities for Wastewater Treat. Fac.

There are certain design criteria that should be handled carefully before the wastewater treatment facilities are realized. Wastewater flow rate, wastewater features, sectorial parameters, discharge standards, etc. are some of these criteria. Before projecting the wastewater treatment facilities, our company handles the all design criteria individually, definitely performs the jar test and then the designing phase is started in the light of the data obtained as a result of these procedures.

Process Designs of Wastewater Treat. Fac.

The most efficient and novel solutions are created through the activities of our project department by developing special designs based on needs. Design of wastewater treatment facilities is performed based on data collected and obtained as a result of laboratory procedures. During this process, the project design necessary for the process design and the construction or manufacture of the facility is carried out by taking into consideration the location and position of the facility and customer requests in addition to all those design data. Besides, before purchasing, our customers may view their facility with all details in the digital environment before the assembly of the facility.



Our company is capable of drawing up the project approval file belonging to the businesses listed in Appendix 1 and Appendix 2 within in the scope of the "Wastewater Treatment / Deep-Sea Discharge Facility Project Approval Circular".

Industrial Wastewater Treatment Facilities

The wastewaters that the industrial enterprises release to the receiving environment after using should be treated with certain procedures before they are discharged. Artemis Aritim designs and builds wastewater treatment facilities that provide wastewater treatment in compliance with the values determined in relevant regulations. Industrial wastewater treatment facilities may be ferroconcrete and package facilities according to the flow rates. The treatment techniques used in industrial wastewater treatment are physical, chemical, biological and advanced treatment methods.



Domestic Wastewater Treatment Facilities

The wastewater treatment facilities that are built for treating the wastewaters generate from the kitchens, bathrooms and toilets of the holiday villages, hotels, motels, summer estates and factories that are built in places without sewer systems are called domestic wastewater treatment facilities. Industrial wastewater treatment facilities may be ferroconcrete and package facilities according to the flow rates. Physical and biological methods are frequently used in domestic wastewater treatment.

Package Treatment Facilities

We can categorize these treatment facilities also according to their sizes and mounting ways. The compact systems that are in measures which provide the transportation conditions and that are operationalized after being completed in the factory and delivered to the mounting site with all units and equipment ready are called Package Treatment. Package treatments are used both in water and wastewater treatment facilities. There may be physical, chemical and biological package treatments according to the process type.



Domestic Wastewater Treatment Facilities

Domestic package treatment is a wastewater treatment facility for portable and qualified domestic (wash basin and toilet based) wastewater released from housings or industrial organizations. Domestic package treatment facilities are biological treatment systems due to the nature of domestic wastewater. Physical treatment units such as a grill or sieve, a pre-sedimentation unit, if possible, and a grease trap, if the oil/grease amount of the waste water is high, must be utilized before the biological treatment. The wastewater coming from the physical treatment units is passed through the biological treatment unit and then is subjected to disinfection. It then is subjected to advanced treatment depending on the purpose of use if it will be used again after disinfection.



Betterment of Treatment Facilities

The treatment facilities that do not meet the needs and that are insufficient or faulty constructed are re-handled, undergone feasibility and designing processes and subjected to betterment and revision procedures, hence they are made efficient by us. The operation of the treatment facilities is as significant as their construction. The treatment facilities that are not operated in good conditions will not serve the purpose of environmental protection. Therefore, our Company offers services also for well-operation of treatment facilities and solving the existing problems.

Operation of Treatment Facilities

Well-operating the treatment plant and performing the maintenance and controlling procedures regularly and effectively are vital for efficiency. Thus, it is a true approach that the treatment facilities to be operated by experienced and qualified technical teams in most instances. For that reason, Artemis Aritim takes over and undertakes the whole plant or its necessary sections.



Wastewater Recycling Facilities

In our time, the water resources are being decreased rapidly. In addition, the growing population and industrial developments increase the water use. This stirs up the resource consumption and also increases the water use costs. In the following years, recycling will gain importance in terms of simplification of water use and reduction of costs, in addition to the ecological approach. The recycling facilities that are simplified and become accessible with the reduced costs according to the technological developments are successfully conducted by our company.

Advanced Wastewater Treatment Facilities

The wastewaters are treated with different methods and technologies according to their types and the types of the receiving environments. In certain instances, use of methods such as nitrogen phosphorus removal facilities, filtration, adsorption, UF nano-filtration, membrane, reverse osmosis is required in addition to the conventional methods. In certain circumstances that requires both ensuring the exit water standards and recycling, our company implements the advanced treatment methods successfully.



Water Treatment Plants

Clean water is the water of surface or ground resources that we utilize as drinking or potable water. It should be subjected to a treatment procedure for being used as Drinking and Potable water. Clean water can be treated in various treatment stages according to the intended use. Advanced treatment methods may also be taken into account.

Artemis Aritim acts in according to the demands of its customers and works with them in order to construct the best, most economical and most efficient system. Several water resources in our country are subjected to different treatment stages due to the desired water quality, as they are not in compliance with the general conditions of use for Drinking. Our company designs treatment systems that meet your needs and creates turn-key solutions for the customers.



Water Softening Systems

These are the systems that enable the removal of Calcium and Magnesium ions, which cause hardness in water, from water by using Strong Cation Resin. Hard water generates limestone in units such as heated devices, hot water installations, steam boilers in which high temperature water is used, and causes blockage in lines, and, thus, causes energy consumption and loss of heat transfer. The units may be single or tandem and full-automatic valve groups are used in these systems. The units can be controlled as being time or flow rate adjusted.

Filtration Systems (Sand, Activated Carbon Filters)

Full-automatic multimedia and Activated Carbon Filters are the filtration systems that are used for removing the particles, residues, suspended solid contents, iron, manganese existing in water and for removal procedures of Chlorine, Organic Substances, Taste, Odor. These are the systems generally used in process water and drinking water treatment.

Full-automatic valve groups are used in the systems. The systems consisted of sand, gravel, anthracite, activated carbon minerals enable to obtain water filtered under 10-20 micron level. The filtration materials are selected according to the analysis values of raw water. Particular minerals are used for Iron and Manganese removal.



Reverse Osmosis Systems

Reverse Osmosis technology operates in accordance with the principle of semipermeable membranes dispersing the dissolved solids from the water. All salts and organic substances, micro pollution, pesticides, pyrogen, viruses, bacteria, heavy metals such as arsenic, and nitrate are physically degraded from water without using chemicals.

The membrane technology is frequently used for precise processes that require high-quality water, it is also used in drinking water production. In addition, in the recent years it is started to be used in recycling the wastewater.

Ultraviolet, Ozonation Chlorination Units

Ultraviolet device is used to sterilize the water. It is effective in killing the microorganisms such as bacteria, viruses, fungi and molds in water. Sterilization with ultraviolet rays is the only fast and effective disinfection method that does not have adverse effects, since it does not require the use of chemicals. Ultraviolet rays are specific systems that are produced in type of fluorescent inside a housing made of quartz glass and filled with mercury vapor.

Ultraviolet Sterilization Systems provide sterilization by using specific ray tubes that radiate high doses of Ultraviolet rays and killing the bacteria, viruses, fungi and molds in water. They are made of stainless steel in order to prevent the direct contact of the ultraviolet rays to the eyes and the skin and to provide the compatibility with the food norms. Specific quartz housing which conveys the ultraviolet rays in maximum rate is used to insulate the inner ray tubes of the ultraviolet device.





Deionization Units (Pure Water Systems)

The procedure of removing the cations and anions with ion exchange principle for purifying water is called deionization. The amount of ions is reduced to very low levels by means of Deionization System and the purification procedure is performed. This procedure is carried out with the ion exchangers within the system and including resin. The unit where the cations are removed is called cation exchanger, and the unit where the anions are removed is called anion exchanger. The OH⁻ and H⁺ ions that are transferred to water at the end of ion exchange, combine and constitute the water molecule. The water which is cleaned from the

cations and anions in the outlet structure of the system is highly purified. The resins which take the ionic charges in the water, reach saturation point after some time and become unable to produce water in desired quality. The refreshment of wasting resins (being cleaned from the exposed ions) is provided with rege-neration procedure. The system refreshes itself with caustic and aside dosing during the regeneration.

Particular sectors that need deionized water are as follows:

• Hospital • Laboratory • Chemistry • Accumulator Production • Printing • Electronics • Cosmetics • Food • Medication

Seawater Desalination Plants

Seawater desalination has become a treatment system which has gained speed in recent years. Reverse osmosis system is used in also seawater desalination. Hence, both economical and quality drinking and potable water supply is provided for facilities. This system consists of compression equipment, filters, measuring and controlling instruments and membrane. The system design varies due to the analysis values of the collected sample. In recent years, the volume of available water in the world is decreasing day by day, particularly with the influences of global warming. Thus, seawater desalination with reverse osmosis method gains more significance every passing day.



Environmental Management



Turkey's strategy of environmental compliance

Based on Turkey's strategy of environmental compliance, which is a precondition for Turkey's participation in the EU, activities have been identified which are planned to be carried out in the prioritized fields of environment, especially including water, wastewater, air, control of industrial pollution, and nature preservation.

In this sense, the Ministry of Environment and Urban Planning has developed some targets relating to the compliance of the Turkish Penal Legislation with the EU legislation, to the implementation of the legislation and to the strengthening of the infrastructure for exchanging information with the administrative body.

What is environmental management?

Environmental management is the implementation of policies and strategies which are identified to ensure sustainable use and development of natural and artificial environmental elements.



Who is the environmental health officer?

An environmental health officer is who assesses whether the activities of those facilities which, as a result of their activities, cause or might cause environmental pollution and are subject to inspection pursuant to the environmental law and the regulations put into force based on that law comply with the legislations and whether the identified precautions are being applied effectively, and who organizes annual on-site auditing schedules.

What is an environmental consultation company?

An environmental consultation company is a legal person which is certified by the Ministry for providing environmental management services.

In this scope, an environmental consultation company refers to those organizations which are qualified in terms of :

- Environmental management, and
- Environmental permit and license application service.

The characteristics, obligations and authorization conditions of an environmental health officer and environmental consultation companies have been identified and published in the relevant regulations by the Ministry of Environment and Urban Planning.



What is an environmental permit and license?

Environmental permits and licenses refer to any permits obtained by enterprises regarding their air emission, wastewater and noise pursuant to the environmental law and any licenses they obtain for collecting and processing wastes.

Within the scope of the regulation on environmental permits and licenses, those businesses which are subject to environmental permits and environmental permits and licenses are categorized into two based on their environmental influences. The first of these is those businesses which have a high level of polluting impact on environment (the businesses which are listed in Appendix 1 of this regulation) and the second is those which have a polluting impact on environment (the businesses which are listed in Appendix 2 of this regulation). The companies which are included in these categories are required to obtain an environmental permit / and environmental permit and license.

How does the environmental management process progress?

Those companies which are listed in Appendix 1 and Appendix 2 of the Regulation on Environmental Permits and Licenses are required to operate under the supervision of an environmental health officer as long as they maintain their activities. This service is provided by environmental consultancy companies or by an Environmental Health Officer / Officers depending on whether the related company is listed under Appendix 1 or 2.





Waste Management

- It is the process in which the waste definition,
- Determination of the in-site responsible,
- Reducing in its resource,
- Collecting individually in its resource,
- Generating temporary storage areas,
- Transportation to licensed recovery/disposal plants,

- Following the processes from the generation of the waste until it is transported to licensed recovery/disposal plants, providing training for the relevant personnel,
- Making legal permit applications (waste management plan, temporary storage permit, etc.) are performed.

Chemicals Management

- It is a process in which the chemical substances used in the plant are defined, packaging and labelling rules are followed,
- The material safety data sheets are obtained from suppliers or got prepared in compliance with the legislation,
- The personnel working with the relevant chemical substance are informed and provided trainings,
- The storage conditions of chemicals are rendered to minimize the accident risk,
- Legal declarations and notifications (SEVESO notification, chemical inventory notification, etc.) are made.



Ecological Footprint

This is a free environmental management reporting service which is developed by Artemis Aritim in order to support the generation of a sustainable environment and industry, to prevent our industrialists to prevent from unnecessary and ineffective investments in terms of environmental projects (wastewater, emission resources, waste management, etc.) that are actualized or will be actualized and to direct them correctly by the professionals. Our teams prepare the reports by analyzing the needs of the firm, the environment, laws and regulations together and offer the most appropriate plan.

For further information, you can call us or send e-mail to info@artemisaritim.com

Analysis and Measurement



Analysis and Measurement

The required analyses and measurements that should be performed in accordance with the Environmental Laws and Regulations are the determinant and the most significant elements of the environmental management processes. The environmental issue which gains further significance within the scope of Law of Harmonization Code of the European Union and Kyoto Protocol is directly related to the measurements for preventing pollutions.

The emission discharge points and all environmental elements that are found inappropriate as a result of measurements are guaranteed with measures plants that will provide the limit values of measurement results defined before by the laws. If the measurement results meets the limit values, the facility's or the industrial enterprise's permit, license processes are resulted positive and the continuity of the existing permit is provided, if any.

Constant process development studies are performed in our r&d laboratory, in addition to all legal obligations. The studies for producing and applying the new technologies are continuously carried out, in addition to the appropriate processes for the facility and the optimum operation processes.



Water Analyses

The water analyses that are performed are very significant for designing the clean water treatment plants and determining the efficiency of the plant. Performing these analyses in certain periods and examining the analyses and reporting to the customer are carried out by the engineers of our company. These reports also light our way for solving the troubles that generate or may generate as a result of operating the plant. All water analyses are performed by our company.



Wastewater Analyses

Wastewater analyses involve the analyses for designing the wastewater treatment plants, determination of wastewater treatability and the exit water of treatment plant. According to the Communique for Water Pollution Control Regulation and Sampling and Analysis Methods, the exits water of the treatment plants should be analyzed in certain intervals and the Ministry of Environment and Urbanization should be notified. All wastewater parameters are carried out in our laboratory.

Emission Measurement

We perform the mandatory confirmation measurements in periods determined in Regulation on Industrial Air Pollution Control and Regulation on Control of Air Pollution Arising from Heating, during the environmental permit and license receiving process.



Noise Measurement

During the environmental permit and license receiving process, we offer service in;

- Measuring environmental noise,
- Measuring acoustical noise and modelling issues that are mandatory according to the Regulation on Environmental Noise Control.

OHS Measurement

- Illumination
- Thermal comfort
- Interior ambient noise
- Interior ambient emission measurements
- Personal exposure measurements (noise, dust, vibration measurements)
- Combustible, flammable and explosive gas measurements that are under the control of Ministry of Labor and Social Security.



Treatment Chemicals



Treatment Chemicals

As the chemical substances which are used in treatment facilities directly influence the efficiency of those facilities, it is critical that suitable chemicals are selected and used under suitable conditions. Our company carries out the required laboratory activities for determining the right amounts so that the suitable chemicals to be utilized in treatment facilities are used in optimum doses. It is very important that the amounts of chemicals determined in the laboratory are accurately dosed in the treatment facility.

Dosing levels vary depending on the levels of pH and mV in water. pH and mV levels are measured by a PHRH-meter. The dosage pumps which allow chemical dosing are selected and their adjustments are performed by our specialist engineering team based on laboratory results, and their checks are carried out in the field.

That the chemical to be used is suitable, reliable and certified is very important for securing the result. For this reason, our company supplies chemicals, too, in addition to its laboratory activities.



Wastewater Chemicals

Caustic: It allows coagulation and neutralization depending on the pH level of the wastewater. It is less likely to cause blockage in dosing pumps than lime. Therefore it is advantageous to use it. It releases hydrogen gas in its reactions with most metals.

Lime: It is a chemical which needs to be dissolved with water before its application to wastewater. It is widely used in neutralization and coagulation. It is a white-colored, inorganic-based binding agent which, when mixed with water, solidifies in air or water depending on its type.

PAC: Polyaluminum chloride which is indicated by the formula Al_2O_3 is a coagulant chemical widely used in the treatment of industrial waste water or drinking water. It is frequently used as its absorption efficiency is high and it is easily solved in water.

Iron(III) Chloride: It is a dark brown acidic chemical used as a coagulant. It is utilized in wastewater treatment and sludge conditioning. It is available in the 40% solution form. Its active reaction with water occurs in the pH range of 6 to 9.

Aluminum Sulfate: It allows a high efficiency chemical treatment. Its operating range is the pH range of 5.5 to 7.8 depending on the values (like turbidity) of water and wastewater. It is acidic. Its pH is 3.5 when used as 1% solution. It is often used as a 6% solution.

Barium Chloride: It is used in wastewater for sulfate removal. The amount of use should be determined carefully, otherwise it may have adverse impacts on the treatment. In laboratories, it is frequently used as a test of sulfate ion. Barium chloride is the best barium salt soluble in water.



Sodium Metabisulfite: Sodium metabisulfite or sodium pyrosulfite is also known as disodium salt and it is an inorganic substance. It is solid under normal conditions. When it is mixed with strong acids or water, sulfur dioxide (SO_2) with a pungent odor is released. In the case of contact with air, it is oxidized into sodium sulfate (Na_2SO_4). It has a pungent odor as it releases SO_2 when mixed with the humidity in the air. In wastewater, it influences RH level and allows the removal of chromium.



Wastewater Chemicals

Powdered Activated Carbon: Powdered activated carbon is used as an adsorbent substance in water and wastewater. By its structure, it traps the dissolved organic pollutants in water and allows high COD (chemical oxygen demand) efficiency. It is used in carbon filters with its high quality.

Granular Activated Carbon: It is widely used in waste water and drink water treatment filtration units for trapping organic matters and chloride, in air treatment filtration units for solvent recovery, deodorizing, treatment of hydrocarbons.

Hypochlorite: It is a root ion shown by the formula ClO . It is often used as a disinfectant in wastewater and water treatment facilities after the treatment is completed. A very good disinfectant with a wide range of uses, sodium hypochlorite is clear greenish yellow in liquid form, and a chemical with pungent chloride odor in its aqueous solution.

Biological Treatment System Conditioner: It is used to support domestic wastewater treatment facilities. It prevents the efficiency of treatment from decreasing in the case of an overload of domestic treatment. It decreases sludge load, and removes odor.

HCl: It is a chemical compound which consists of hydrogen and chlorine elements and which is found in this form in ambient temperature and under normal pressure. It is also colloquially known as spirit of salt. It is an acidic chemical. It allows the neutralization of basic waters.

Sulfuric Acid: It is a powerful mineral acid. It can dissolve in any concentration in water. It contains 96 to 98 percent H_2SO_4 by mass. It is an acidic chemical and is used for removal of oil.

Anionic Polyelectrolyte: It allows aggregation and sedimentation of particulates in wastewater. Anionic polyelectrolyte is used in chemical waste water treatment facilities depending on the type of waste. The jar tests which are necessary for wastewater treatment systems should be carried out by our specialist engineers for selecting the suitable electrolyte and ensuring optimum use.

Cationic Polyelectrolyte: It is used for increasing efficiency when floating the flocks forming in biologically-dominated water treatment facilities or when dehydrating waste sludge produced in any treatment facility. It allows dehydration of sludge during the conditioning of treatment sludges.





Clean Water Chemicals

Tablet Salt: Tablet salt which is obtained by using rock salt is one of the most important consumables of resinous softening systems. It increases the life of resins and allows regeneration in water softening systems. It is a significant chemical in terms of the life and maintenance cost of automatic valve.

Antiscalant: It is the general name of the chemical which delays the blockages of the membrane elements used in water treatment systems using reverse osmosis. It slows down the sedimentation and crustation of silica on the membrane surface. Its erroneous use may lead to membrane blockage and therefore its amounts of use should be determined by specialists.

Chlorine: It is used as a disinfectant substance especially in drinking water treatment facilities. It is available in many forms. Liquid and gaseous states are the most used. Tablet, granule and powder forms are the others. Selection of the chlorination method depends on the criteria of availability, cost and transportation.

Anti-Foaming Agent: It is used in those treatment facility environments where foaming is not desired or for removing already available foams. Amounts of application depend on the wastewater it will be used on. It easily dissolves in water and its resistance to chemical substances is high.

Potassium Permanganate: It is obtained by the impact of chlorine on potassium manganate. This is used as a chemical oxidant. It is utilized in the removal of iron and manganese. It is a powerful oxidizing agent. It is also used as a chemical oxidant for disinfection and removal of odors, tastes and algae.

Zeolite: The zeolite mineral is hydrated crystal aluminum silicates. The cage-like structure of zeolites forms a wide internal and external surface area for ion exchange in chemical reactions. Its internal pores cover 50% of its volume. In treatment sludge, it allows trapping and removing of water and oil from the sludge.



Service and Maintenance



Service and Maintenance

Well-operating the treatment plant and performing the maintenance and controlling procedures regularly and effectively are vital for efficiency. Thus, it is a true approach that the treatment facilities to be operated by experienced and qualified technical teams in most instances. For that reason, Artemis Aritim takes over and undertakes the whole facility or its necessary sections

The materials that will be used in maintenance to be correct and reliable for predicting the potential failures and taking measures, the maintenance to be performed regularly in certain intervals are highly important for the healthy operation of the plants. The trained and experienced technical personnel in the technical service of our company immediately respond the sudden failures and carry out the revision and the renewal of the plant when necessary.

Treatment Facilities Consultancy and Discharge Permit (DC)



Creating necessary solutions for environmental issues is among our areas of expertise. Protecting both you and the environment and preventing the potential environmental pollutions by creating the necessary solutions with alternatives for the environmental issues that you will notify us in the fastest way and solving the environmental problems are among our prior purposes.

One of the most significant stages of receiving Business License is to obtain DC, discharge certificate. In accordance with the Wastewater Treatment Plant Project Approval Regulations, in case that the location of the plant is within the borders of Metropolitan Municipality, the Project Approval and Discharge Permit procedures are carried out by the relevant departments of the Metropolitan

Municipality, and the discharge certificate such as DCCL - DC is given. For receiving DCCL - DC or the discharge license, an appropriate treatment plant for the characteristics and the flow rate of the wastewater should be planned and put into practice, then healthfully operated.

Several treatment plants cannot meet the needs since they are not operated efficiently. At this point receiving an effective consultancy and maintenance services which will solve the problems in technical and official issues shall be the most important key for gaining the Discharge License. Within the scope of this study, our qualified engineers and technical personnel provide the healthfully operation of the treatment plants and the true conduction of the process.



Technical Service

The qualified engineers and technicians in our technical service offer continuous preventive maintenance and consultancy services, in order to enable the treatment plants to operate healthy. Several treatment plants cannot meet the needs since they are not operated efficiently. At this point, receiving an effective consultancy and maintenance services which will solve the problems in technical and official issues shall be the most important key for gaining the Discharge License. Within the scope of this study, our qualified engineers and technical personnel provide the healthfully operation of the treatment plants and the true conduction of the process.

Treatment Equipment

All equipment used in wastewater treatment plants being quality and lasting have significant effects on both the operability and the efficiency of the plant. Therefore, our company examines the all equipment during the controls. A breakdown in any equipment affect the operation of other equipment or of the whole plant.

We can list the equipment frequently used in treatment plants as follows.

- Blower and mechanical ventilation equipment
- Coarse grid and fine grids, strainers
- Centrifuge and submersible pumps
- Dosage pumps
- Pneumatic pumps and high pressure pumps
- Controlling and measuring equipment
- Mechanical mixers, floating and submerged mixers
- Settling tank scrapers, densifier
- Oil scrapers
- Filter press, filter press pump
- Membranes, MBR units
- Ion exchangers, softeners
- Advanced treatment units
- Reverse osmosis, UF sand and carbon filtration units



Spare Parts and Consumables

The spare parts that are used in treatment plants are the invisible heroes. A potential failure in any of them will affect the treatment efficiency negatively. Well-chosen consumables that are supplied at the right time are significant for the efficient operation of the treatment plant. The supply and mounting of all spare parts and consumables required to be used in treatment plants are provided by us.

We can sort the spare parts and consumables used in treatment plants as follows.

PH meter, RH meter, PH probe, RH probe, filter press cloth, filter press plate, filter cartridge, diffuser, valve, check valve, diaphragm, stopcock etc.

References

ALCOMET



BORUSAN
HOLDING



ÇAYIROVA
BORU



EKOL



İZELTAS

koza yönetim
Facility Management & Services



MARPORT
LİMAN İŞLETMELERİ
SANAYİ VE TİCARET A.Ş.



simit sarayı

Sirkeci Tekstil

TRELLEBORG



References / Koza Yönetim



- Zekeriyaköy Domestic Wastewater Treatment Plant



References / Saray Mandıra



- Industrial Wastewater Treatment Plant
- Wastewater Recycling Unit
- EIA Environmental Consultancy Services
- Environmental and Waste Management Services



References / Sirkeci Tekstil

Sirkeci Tekstil

- Industrial Wastewater Treatment Plant



References / Borusan Holding

BORUSAN
HOLDİNG

- Avclar Industrial Wastewater Treatment Plant
- Çatalca Industrial Wastewater Treatment Plant
- Çatalca Industrial Wastewater Treatment Plant
- Mersin Industrial Wastewater Treatment Plant
- Gemlik Water Treatment System
- Environmental Measurements and Analyses



References / Alcomet

ALCOMET

- Industrial Wastewater Treatment Plant
- Domestic Wastewater Treatment Plant



References / Arkas Holding

- 5 Domestic Wastewater Treatment Plant
- 2 Industrial Wastewater Treatment Plant
- Oil Retainer Unit

ARKAS



References / Filli Boya



- Industrial Wastewater Treatment Plant



References / Carrefour

- Domestic Wastewater Treatment Plant
- Oil Retainer Unit



References / Doğu Makina



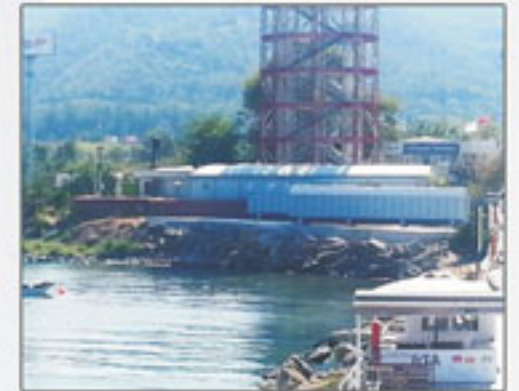
- 3 Industrial Wastewater Treatment Plant (Afghanistan- Kabul)
- 2 Industrial Wastewater Treatment Plant (Afghanistan- Mazar-ı Sharif)



References / İDO



- Industrial Wastewater Treatment Plant
- Domestic Wastewater Treatment Plant



References / Volvo



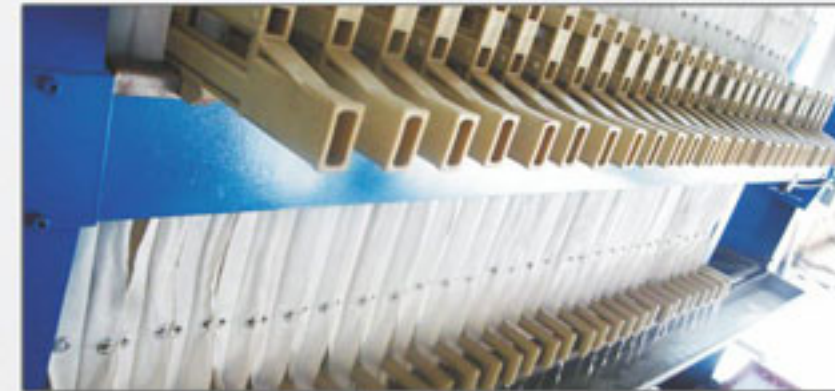
- Orhanlı East Industrial Wastewater Treatment Plant
- Orhanlı West Industrial Wastewater Treatment Plant
- Kırac Industrial Wastewater Treatment Plant
- Ascendum Industrial Wastewater Treatment Plant



References / İzeltaş



- Industrial Wastewater Treatment Plant
- Domestic Wastewater Treatment Plant
- MBR Biological Treatment Unit
- High KOI Removal Unit



References / Kumport



- Industrial Wastewater Treatment Plant
- Oil Retainer Unit



References / Larth



- Industrial Wastewater Treatment Plant
- Domestic Wastewater Treatment Plant
- Environmental and Waste Management Services



References / İstanbul Tersanesi Komutanlığı



- Industrial Wastewater Treatment Plant
- Water Treatment Plant
- Sludge Dewatering Plant



References / Pınar Süt

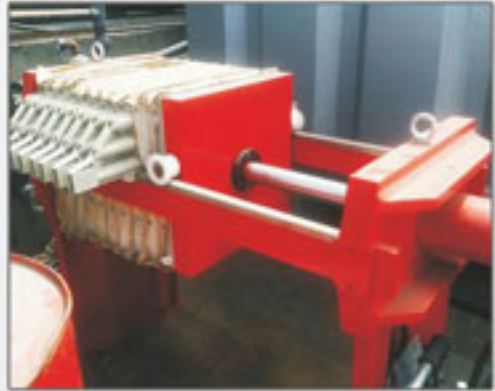
- Sludge Dewatering Plant



References / Mardaş



- 2 Domestic Wastewater Treatment Plant
- Industrial Wastewater Treatment Plant
- Environmental and Waste Management Services
- Oil Retainer Unit



References / Marport



- West Terminal Industrial Wastewater Treatment Plant
- Main Terminal Industrial Wastewater Treatment Plant
- Main Terminal New Domestic Wastewater Treatment Plant
- Main Terminal Old Domestic Wastewater Treatment Plant
- Mobile Terminal Domestic Wastewater Treatment Plant
- West Terminal Refactory Domestic Wastewater Treatment Plant
- West Terminal Atelier Domestic Wastewater Treatment Plant



References / Perfetti



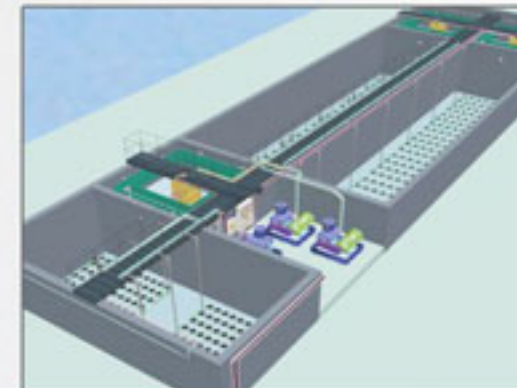
- Industrial Wastewater Treatment Plant Revision
- Environmental and Waste Management Services
- Environmental Measurements and Analyses



References / Günhan Grup

- Industrial Wastewater Treatment Plant

GUNHANGRUP



References / EVS



- Industrial Wastewater Treatment Plant





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