

Tomorrow's Nature is created from today !



BIOLOGICAL & INDUSTRIAL
WASTEWATER TREATMENT SYSTEMS



GENERAL CATALOG

Tomorrow's Nature is created from today !

" OFFERS THE RIGHT SOLUTIONS "

About Us

Our company is experienced in wastewater treatment plant designs, implementations, construction and mechanical equipment manufacturing all around the world with its expert management, engineers and technical staff.

Arsistek Water and Wastewater Treatment Inc. ; produces and implements all project studies and productions in its own factory.

Using advanced technology treatment, filtration and recovery systems in order to treat the waste water generated in all sectors and production processes, provides the necessary discharge limits.

Our company, which applies ISO and CE standards in its production and services, continues its activities in more than 48 countries with the sense of trust it receives from you, our customers.

“ Thank you for your trust ”

.....

Services ...

- Biological, Urban and Industrial Wastewater Treatment Plants
- MBR Treatment Systems
- MBBR Treatment Systems
- Package (Compact) Treatment Systems
- Mechanical Equipment Manufacturing
- Filtration and Wastewater Recovery Systems
- Project Planning and Consulting Services
- Technical Service and Treatment Plant Operation Services

Quality & Success



BIOLOGICAL WASTEWATER TREATMENT FACILITIES

The aim of biological wastewater treatment is to create a system in which separation results are easily collected for proper disposal. Biological treatment uses aerobic and anaerobic biological processes to ensure optimal removal of organic materials from wastewater.

HIGH EFFICIENCY, LOW OPERATIONAL COSTS !



NATURE FRIENDLY SOLUTIONS THROUGH BIOLOGICAL TREATMENT

Biological wastewater treatment is a treatment process applied after physical (pre-treatment) treatment. In pretreatment units, substances such as sediments or oil are removed from the wastewater.

These processes are generally divided into anaerobic and aerobic processes. "Aerobic" refers to a process in which oxygen is present, while "anaerobic" describes a biological treatment process in which oxygen is absent.

PRINCIPLE FIELDS OF USE

- Cities and Municipalities
- Slaughterhouse
- Integrated Meat Facilities
- Fruit Juice Processing Facilities
- Oil Fields
- Military Facilities
- Mass Housings and Sites
- Sites and Camps
- Rehabilitation Centers
- Golf Courses
- Factories
- Hotels
- Food industry
- Milk Processing
- Milk Production Facilities
- Hotels and Camps
- Universities
- Organized Industrial Zones
- Textile Industry
- Airports
- Stadiums
- Livestock Farms

Technology for nature ...

HIGH EFFICIENCY
ECONOMICAL OPERATION :



BIOLOGICAL WASTEWATER TREATMENT PLANTS



" OFFERS THE RIGHT SOLUTIONS "

INDUSTRIAL WASTE WATER TREATMENT PLANTS

- Reduces the amount of waste spread to the environment,
- Reduces or eliminates water loss due to water pollution,
- Potentially harmful pollutants are not released into the environment as a result of treatment,
- Significantly reduces waste disposal costs,

Pre-Treatment (Mechanical Systems)
Daf (Advanced Oil Separation System)
Flotation
Decantation
Coagulation and Flocculation, Neutralization
Filtration Systems



Quality



Technological

INDUSTRIAL TREATMENT SOLUTIONS

Industrial wastewater treatment systems and plants cover a wide range of treatment techniques designed for the treatment of many types of pollutants: (Example: Oils and Fats, Color, Non-Biodegradable organic substances, Dissolved metals and hydrocarbons).

The design of industrial wastewater treatment plants are done after general examining the general characteristics and discharge criteria of the resulting wastewater; and the necessary tests are carried out in our laboratories, and project design studies are started thereby, Plant designs are made according to the test results, taking into account the operation costs.

Worldwide Operating Facilities...

PRINCIPLE FIELDS OF USE

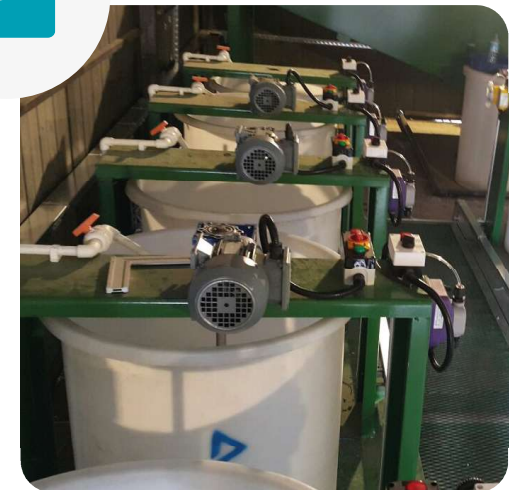
- Slaughterhouse
- Integrated Meat Facilities
- Petroleum and Chemical Industry
- Fruit Juice Processing Facilities
- Recycling Facilities
- Mass Housing and Sites
- Food industry
- Milk Processing
- Milk Production Facilities
- Factories Production Processes
- Organized Industrial Zones
- Textile Industry

Special solutions and implementations for your wastewater projects...

HIGH EFFICIENCY
ECONOMICAL OPERATION :



INDUSTRIAL WASTEWATER TREATMENT PLANTS



" OFFERS THE RIGHT SOLUTIONS "

PACKAGE WASTEWATER TREATMENT SYSTEMS

COMPACT STP SYSTEMS

 **arsistek**
ARITMA SANAYİ A.Ş.

**MODULAR
STRUCTURE**

**ECONOMIC
INVESTMENT**

**EASY TO
OPERATE**

**ENERGY
EFFICIENCY**

PACKAGE TREATMENT SYSTEMS COMPACT SOLUTIONS ...

Package wastewater treatment systems and plants, as the name suggests, are compactly designed, economical and easy to operate wastewater treatment methods.

Package wastewater treatment systems; They are generally used for the treatment of domestic biological waste water. Package treatment systems are produced in our production facilities for 100 people and 1000 people, with a production period of 7-15 days. It is generally produced as 4 mm - ST37 Carbon steel and trapezoidal bending. By adding package treatment units, they can respond to the desired flow rate and need.

We treat the
water of the World ...



PRINCIPLE FIELDS OF USE

- Residences and Villas
 - Municipalities
 - Oil Fields
 - Slaughterhouse
 - Integrated Meat Facilities
 - Fruit Juice Processing Facilities
 - Military Facilities
 - Construction sites
- Food industry
 - Milk Processing
 - Milk Production Facilities
 - Hotels and Camps
 - University and Hotels
 - Organized Industrial Zones
 - Textile Industry
 - Factories

HIGH EFFICIENCY
ECONOMICAL OPERATION :

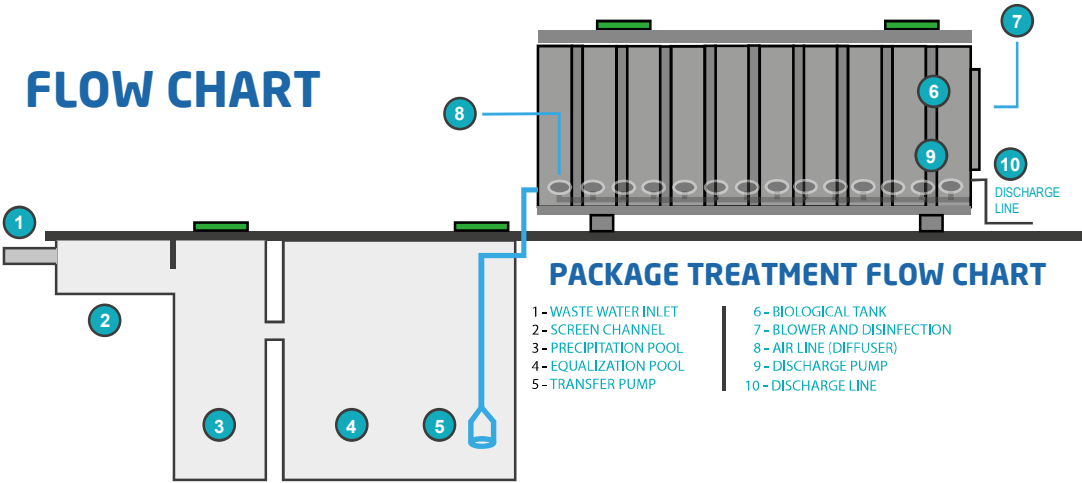


PACKAGE TREATMENT CAPACITIES

MODEL	PERSONS	FLOW -m3	B - mt	L - mt	H - mt
ARBIO-100	100	20	2.20	3.00	2.80
ARBIO-200	200	40	2.20	4.20	2.80
ARBIO-300	300	60	2.20	6.75	2.80
ARBIO-400	400	80	2.20	8.40	2.80
ARBIO-500	500	100	2.20	9.50	2.80
ARBIO-600	600	120	2.20	10.00	2.80
ARBIO-700	700	140	2.20	10.50	2.80
ARBIO-800	800	160	2.20	11.00	2.80
ARBIO-900	900	180	2.20	12.50	2.80
ARBIO-1000	1000	200	2.20	13.60	2.80

PACKAGE WASTEWATER TREATMENT CLASSICAL

FLOW CHART



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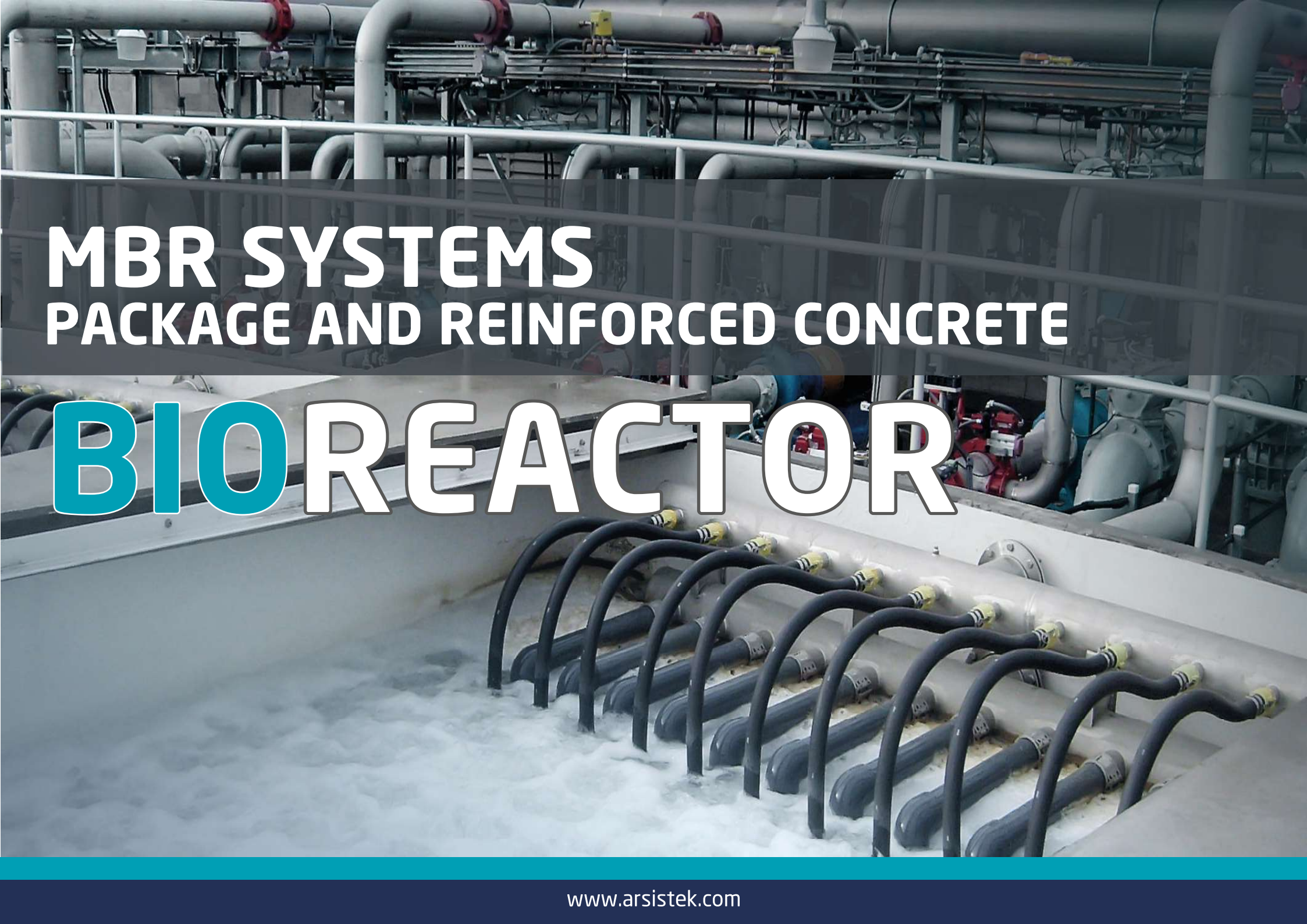
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TURKEY DISCOVER

www.arsistek.com



THE POTENTIAL



**MBR SYSTEMS
PACKAGE AND REINFORCED CONCRETE**

BIOREACTOR

MBR WASTE WATER TREATMENT SYSTEMS ...

HIGH EFFICIENCY
ECONOMICAL OPERATION

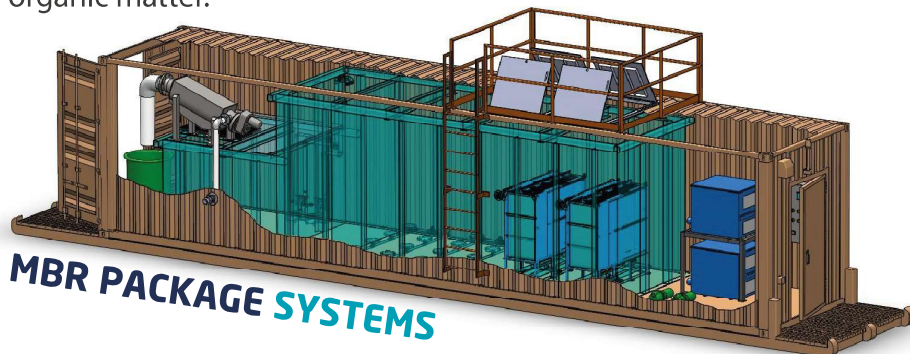
Send us your project requests !

BIOREACTOR
Technology for nature ...

Membrane bioreactor (MBR) is the most important cutting edge technological advancement in terms of wastewater treatment. MBR Systems can distinguish between solid/liquid comparing to other treatment processes. A microporous membrane is used for this separation. Advanced MBR wastewater treatment technology is being successfully applied all over the world.

The UF membrane is often placed in the activated sludge pool or in a separate tank. Under the consumption of oxygen, microorganisms digest the organic matter contained in the wastewater.

Higher MLSS concentrations are achieved as Membranes trap microorganisms and organic matter.





MBBR

Moving Bed Biofilm Reactor ...

MBBR WASTE WATER TREATMENT SYSTEMS ...

SUPERIOR PERFORMANCE IN BIOLOGICAL TREATMENT

Moving bed biofilm reactors (MBBR) are biological treatment technology used in wastewater treatment. MBBR treatment systems are a suitable treatment method for industrial and municipal wastewater treatment applications.

MBBR systems provide pre-treatment of wastewater by utilizing biology. These wastewater systems help remove BOD from industrial and sewage wastewater.

MBBRs also help for the nitrification and denitrification of wastewater. MBBRs are the treatment system used in many countries because they are effective and reduce costs...

SUPERIOR FEATURES

- Affordable Investment Cost
- Ease of Operation
- Capacity increase
- Low Energy Cost
- Modular Design
- Minimum Maintenance

PRINCIPLE FIELDS OF USE

- Residences and Villas
- Municipalities
- Oil Fields
- Slaughterhouse
- Meat Integrated Facilities
- Fruit Juice Processing Facilities
- Military Facilities
- Construction sites
- Food industry
- Milk Processing
- Milk Production Facilities
- University and Hotels
- Organized Industrial Zones
- Textile Industry
- Hotels and Camps
- Factories

MBBR REACTOR

Technology for nature ...



SLAUGHTERHOUSE WASTEWATER TREATMENT TECHNOLOGIES...

Slaughterhouse

WASTEWATER TREATMENT



THE COMPANY EXPERT IN
SLAUGHTERHOUSE WASTEWATER TREATMENT!

SLAUGHTERHOUSE WASTEWATER TREATMENT TECHNOLOGIES...

Slaughterhouse wastewater generally cannot be discharged to the receiving environment or the general sewer line without treatment.

Waste waters do not always have the same characteristics due to different types of processed meat, such as Beef, mutton, poultry etc.

There are differences between the slaughterhouse and meat processing plants and facilities, especially in terms of wastewater amount and pollutant concentrations.

Al over the world we plan and implement slaughterhouse wastewater treatment facilities.

PROCESSES

- Physical Refinement
- Oil Separator and DAF
- Biological Treatment
- Chemical Treatment
- Sludge Dewatering
- Ultra Filtration
- Disinfection Systems
- Wastewater Recovery Systems

IMPLEMENTATIONS

- Steel construction
- Reinforced Concrete



SLAUGHTERHOUSE TREATMENT;
IT REQUIRES EXPERIENCE AND
EXPERTISE.

HIGH EFFICIENCY
ECONOMICAL OPERATION :



SLAUGHTERHOUSE EXPERTISE AND EXPERIENCE



" OFFERS THE RIGHT SOLUTIONS "

MILK FACTORIES



Discharge standards are met by applying physical, biological or chemical treatment processes to wastewater generated in milk production and processing facilities.

FRUIT JUICE FACILITIES



Wastewater generated in fruit processing, storage, and cleaning facilities is treated using advanced technology treatment processes, and discharge standards are met.

TEXTILE INDUSTRY



Wastewater originating from textile industry production facilities is treated using physical, biological, chemical, and MBR treatment systems, and wastewater recycling is achieved.



WE MANUFACTURE MECHANICAL EQUIPMENT

**We perform mechanical equipment productions
For our facilities and projects.**



**We add value to life and nature
with our activities...**



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