

Tomorrow's Nature is created from today !



**BIOLOGICAL & INDUSTRIAL  
WASTEWATER TREATMENT TECHNOLOGIES**



GENERAL CATALOG



**Tomorrow's Nature is  
created from today !**



# 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.

Anmeksan A.Ş ; 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



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 :**



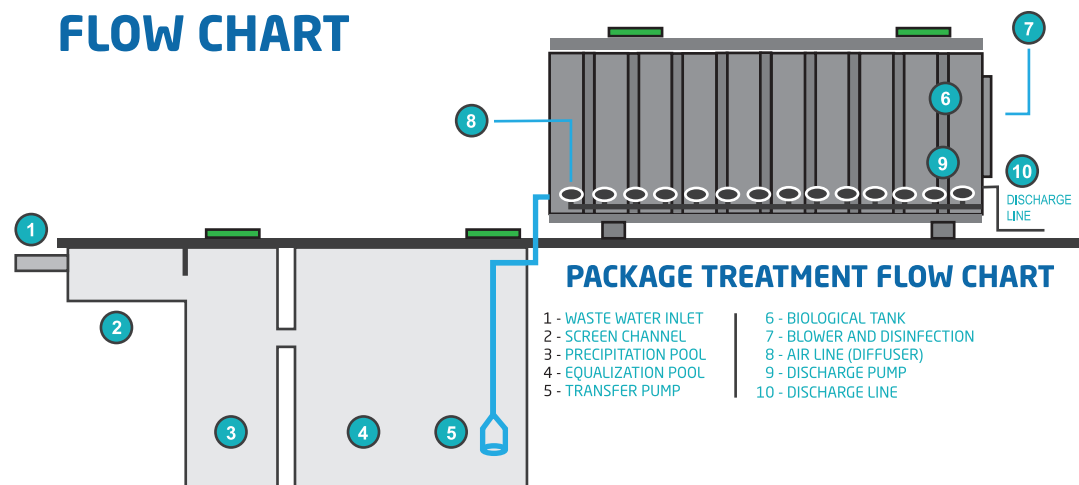
# PACKAGE TREATMENT CAPACITIES

MODEL	Persons	Flow (m3)	B - mt	L - mt	H- mt
BIOWATER-100	100	20	2.20	3.00	2.80
BIOWATER-200	200	30	2.20	4.20	2.80
BIOWATER-300	300	60	2.20	6.75	2.80
BIOWATER-400	400	80	2.20	8.40	2.80
BIOWATER-500	500	100	2.20	9.50	2.80
BIOWATER-600	600	120	2.20	10.00	2.80
BIOWATER-700	700	140	2.20	10.50	2.80
BIOWATER-800	800	160	2.20	11.00	2.80
BIOWATER-900	900	180	2.20	12.50	2.80
BIOWATER-1000	1000	200	2.20	13.60	2.80

## PACKAGE TREATMENT

CLASSICAL

### FLOW CHART



**ANMEKSAN**  
WASTEWATER TREATMENT INC.

**BIO  
POWER**

MADE IN TURKEY

**TURKEY  
DISCOVER**

[anmeksan.com](http://anmeksan.com)





# THE POTENTIAL





# MBR SYSTEMS

## PACKAGE AND REINFORCED CONCRETE

# BIOREACTOR





# MBR WASTE WATER TREATMENT SYSTEMS ...

HIGH EFFICIENCY,  
CUTTING EDGE TECHNOLOGY  
[www.anmeksan.com](http://www.anmeksan.com)

## Send us your project requests !

[info@anmeksan.com](mailto:info@anmeksan.com)

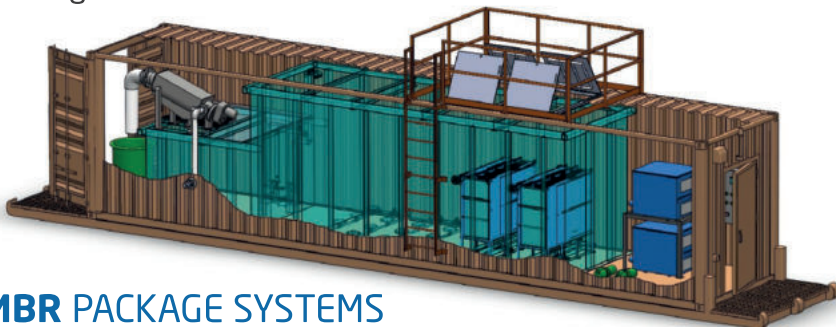
## BIOREACTOR

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.

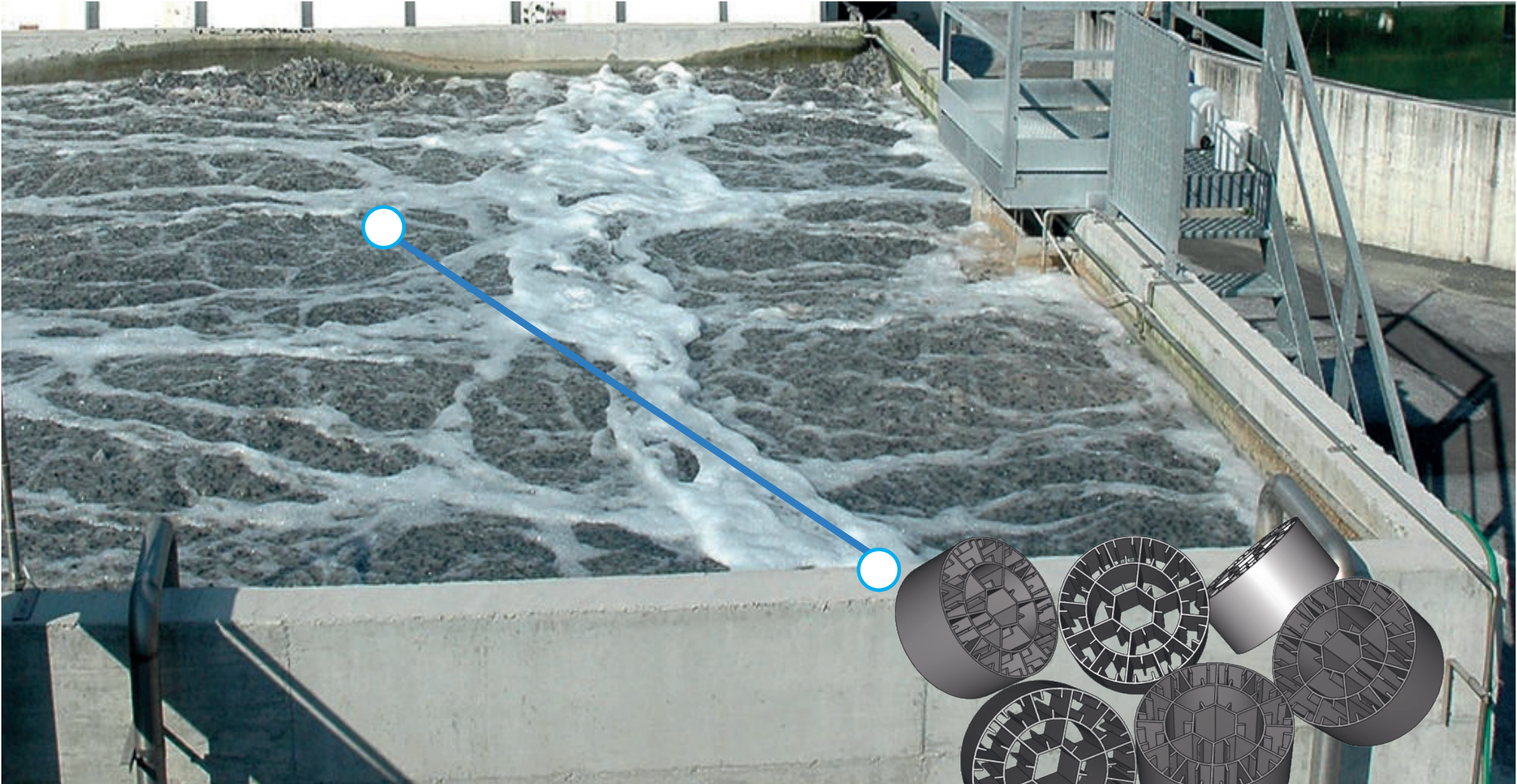


MBR PACKAGE SYSTEMS



## MBR TREATMENT TECHNOLOGIES





# MBBR

## Moving Bed Biofilm Reactor



# MBBR WASTE WATER TREATMENT SYSTEMS ...

**HIGH EFFICIENCY,  
CUTTING EDGE TECHNOLOGY**

## 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 ...

Moving Bed Biofilm Reactor





# Slaughterhouse

## WASTEWATER TREATMENT

A group of approximately ten cows of various breeds, including black and white Friesians and a brown and white cow, are standing in a lush green field. The background shows a clear blue sky with scattered white clouds. The cows are positioned in the lower half of the frame, looking towards the camera.

**EXPERT COMPANY IN  
TREATMENT OF SLAUGHTERHOUSES' WASTEWATER**



# 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

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WASTEWATER TREATMENT INC.

**SLAUGHTERHOUSE TREATMENT;  
IT REQUIRES EXPERIENCE AND  
EXPERTISE.**

**HIGH EFFICIENCY  
ECONOMICAL OPERATION :**



# SLAUGHTERHOUSE EXPERTISE AND EXPERIENCE



" OFFERS THE RIGHT SOLUTIONS "

# MILK FACTORIES

Discharge standards are provided through implementation of treatment processes at Milk production and processing facilities.

# EXPERIENCE & SUCCESS



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# FRUIT JUICE FACILITIES

Wastewater generated at fruit processing, storing and cleaning facilities are treated by means of advanced technology wastewater treatment processes and thereby discharge standards are provided.





# WE MANUFACTURE MECHANICAL EQUIPMENTS

We perform mechanical equipment productions  
For our facilities and projects.





# ANMEKSAN

WASTEWATER TREATMENT INC.

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