



ENVIRONMENTAL TECHNOLOGIES

WASTEWATER TREATMENT PLANTS FOR METAL INDUSTRY



www.gesu.com.tr
www.ibrik.com.tr

GESU CHRONOLOGICAL HISTORY

1996

Establishment

GESU Environmental Technologies is an international company established in Bursa in 1996 with a 51% partnership by Istanbul GOEMA, the Turkey branch of the world-renowned wastewater treatment company GOEMA GmbH, based in Germany.

2000

First Domestic Biological Wastewater Treatment Plant

Customer: ARTUR

Capacity: 1600 m³/day - 8000 population equivalent

2001

First Industrial Biological Wastewater Treatment Plant

Customer: BANVIT

Capacity: 125 m³/day

2003

First Industrial Chemical Waste Water Treatment Plant

Customer: ROBERT BOSCH

Capacity: 10 m³/day

First Coating Plant Waste Water Treatment Unit

Customer: BOSCH FREN SİSTEMLERİ

Capacity: 10 m³/day

2004

100% GESU

GESU Environmental Technologies, increased its share in the partnership by 100% in 2004 and became a domestic company.

2005

First Factory and Laboratory

GESU Environmental Technologies moved to NİLTİM Small Industrial Zone in 2005 and established the "First Factory" and "First Laboratory".

First Industrial Gas Treatment Plant

Customer: MERKEZ ÇELİK

Capacity: 16000 m³/h

2007

First Slaughterhouse Facility Waste Water Treatment Unit

Customer: DÖRT MEVSİM

Capacity: 400m³/day

First Patent

Peristaltic Pump

2008

First Quality Certificates

The first OHSAS 18001, ISO 9001, ISO 14001 Quality Certificates were obtained in 2008.

2010

First Welding Workshop

Welded Manufacturing Machines were included in the production line.

Moving to Industrial Zone

GESU Environmental Technologies moved to Görükle Industrial Zone.

Incentive Project

First Incentive Project (Development Agency BEBKA Project)

2011

First Machining

Machining Machines were included in the production line.

First Asian Waste Water Treatment Project and Export

Customer: LAKSHMI PRECISION SCREWS **Location:** India

First Fair in Turkey

First Local Fair Participation (2011 REW Istanbul)

GESU CHRONOLOGICAL HISTORY

First European Waste Water Treatment Project and Export

Customer: AXOR INDUSTRY

Location: Ukraine

First African Waste Water Treatment Project and Export

Customer: AKŞEKER

Location: Ethiopia

First Middle East Branch

Location: Iraq

First Middle East Waste Water Treatment Project and Export

Customer: WAHAT AL GANOP CO

Location: Iraq

First Fair in Europe

First European Fair Participation (2012 IFAT Germany)

First CNC Plastic Butt Welding Machine

CNC Plastic Butt Welding Machine was included in the production line.

First Central Asian Waste Water Treatment Project and Export

Customer: BUYSAN GURLUŞYK

Location: Turkmenistan

IBRIK

GESU Environmental Technologies created the "IBRIK" sub-brand for use in its own production equipment.

The First CNC Router Machine

CNC Router Machine was included in the production line.

First R&D Department

R&D Department was established.

First European Branch

Location: Montenegro

The First CNC Plastic Extrusion Molding Machine

CNC Plastic Extrusion Molding Machines were included in the production line.

Moving to Organized Industrial Zone

GESU Environmental Technologies moved to its own factory located in the Leather Specialization and Mixed Organized Industrial Zone.

First South East Asia Waste Water Treatment Project and Export

Customer: WATERMATIC

Location: Philippines

The First CNC Bending Machine

CNC Bending Machine was included in the production line.

The First CNC Laser Cutting Machine

CNC Laser Cutting Machine was included in the production line.

First Robotic Welding Machine

Robotic Welding Machine was included in the production line.



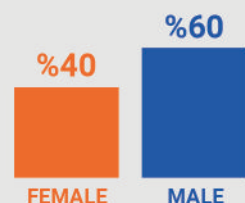
BURSA — HEADQUARTERS AND FACTORY

The headquarters, engineering departments and production factory of GESU Environmental Technologies are located in Bursa Leather Specialization and Mixed Organized Industrial Zone. Engineering, manufacturing and site installation are carried out by the same team, under one roof and one responsibility.

DEPARTMENT



EMPLOYEE



REFERENCES



150+
CHEMICAL
WASTE WATER
TREATMENT PLANTS



80+
BIOLOGICAL
WASTE WATER
TREATMENT PLANTS



20+
GAS
TREATMENT
PLANTS



2000+
EQUIPMENT
MANUFACTURING



10+
WATER
TREATMENT
PLANTS



70+

METAL COATING
INDUSTRY

60+

SLAUGHTERHOUSE & MEAT
& POULTRY INDUSTRY

40+

AUTOMOTIVE
INDUSTRY

★★★
Leading
SECTORS
★★★

260+

DAF UNIT

520+

FILTERPRESS
UNIT

350+

GESU Environmental Technologies
has completed more than
343 Turnkey projects with over
25 years of experience.

2260+

The works carried out by
GESU Environmental Technologies
in Turkey and abroad are over
2260 in total.

15+

GESU Environmental Technologies
has completed major projects
in more than 15
international countries.

GESU COMPANY PROFILE



CONTRACTOR WORKS

GESU undertakes to supply and complete the work or project undertaken by contract and contract with the required method.



MANUFACTURE WORKS

The feature that distinguishes GESU from its competitors is that it carries out most of the production in-house.



CONSTRUCTION WORKS

GESU carries out the construction and architectural structure of industrial structures and infrastructures through partner companies.



EQUIPMENT PRODUCTION

Equipment production is the main field of GESU. It produces most of the equipment in-house.



WASTE WATER TREATMENT FACILITIES

GESU performs turnkey Waste Water Treatment projects. It produces most of the equipment in-house.



GAS TREATMENT FACILITIES

GESU performs turnkey Gas Treatment projects.



BUSINESS SERVICES AND CONSULTANCY

GESU provides operation and consultancy services to Waste Water Treatment Plants.



PROJECT AND ENGINEERING STUDIES

GESU provides project and engineering support to Waste Water Treatment Plants.



CUSTOM MANUFACTURING

GESU provides tailor-made design and custom fabrication services.

STAINLESS + ST37 PRODUCTION



**CNC LASER
MACHINE (2 kW)**



**CNC LASER
MACHINE (12 kW)**



**TUBE LASER
CUT**



**ROBOTIC
WELDING MACHINE**



**PRESS
BRAKE (3kW)**



**LATHE
MACHINE**



**FREEZE
MACHINE**



**MIG/MAG WELDING
MACHINES (7 pcs)**



**ARGON WELDING
MACHINE (2 pcs)**



**PLASMA CUTTING
MACHINE**



**SANDBLASTING
MACHINE**



**KEY SEATING
MACHINE**

PP-HDPE-PVDF PRODUCTION



**CNC
ROUTER**



**CNC BUTT
WELDING MACHINE**



**PP ROTARY
SAW MACHINE**



**FILTERPRESS PLATE
MANUFACTURING MACHINE**



**PP PLATE
BENDING MACHINE**



**PLASTIC COATING
MACHINE ON METAL**



**BELT / DISC
SANDING MACHINE**



**HAND EXTRUSION
WELDER MACHINES**

OUR GENERAL USE EQUIPMENT



WAREHOUSE



LABORATORY



CRANE



**SCREW
COMPRESSOR**



FORKLIFT



VACUUM LIFTER

OUR GENERAL USE PROGRAMS



**SOLIDWORKS
PDM**



AUTODESK



CANIAS ERP



ADOBE

OUR CERTIFICATES



ISO 45001:2018



DIN EN ISO 14001:2015



DIN EN ISO 9001:2015



SOME OF COATING & PLATING PLANT WWTP REFERENCES

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (HATAY)	5 m ³ /h Chemical WWTP + Filtration + Sludge Dewatering Unit + Scrubber + PP Plating Baths	2023
	WASTEWATER TREATMENT PLANT (KOCAELI)	Acid Tank Scrubber Unit + PP Coating of Concrete Tank	2019
	WASTEWATER TREATMENT PLANT (KOCAELI)	5 m ³ /h Chemical WWTP + Filtration + Sludge Dewatering Unit	2011

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (KOCAELI)	20 m ³ /h Chemical WWTP + Sludge Dewatering Unit	2019

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (DEMIRTAS OSB/BURSA)	5 m ³ /h Chemical WWTP + Sludge Dewatering Unit	2019
	WASTEWATER TREATMENT PLANT (BOSB/BURSA)	5 m ³ /h Chemical WWTP + Sludge Dewatering Unit	2013

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (ISTANBUL)	3 m ³ /h Chemical WWTP + Sludge Dewatering Unit	2013

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (ADANA)	25 m ³ /h Chemical WWTP + Sludge Dewatering Unit	2017
	PP TANK (ADANA)	PP Plating Tank	2015

SOME OF COATING & PLATING PLANT WWTP REFERENCES

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (SALIHILI/MANISA)	50 m ³ /h WWTP Revision + DAF Unit	2023
	WASTEWATER TREATMENT PLANT (UYSAL-1 FACTORY/IZMIR)	15 m ³ /h WWTP Revision + Filtration Unit	2022
	WASTEWATER TREATMENT PLANT (SAKARYA)	30 m ³ /h Chemical WWTP + Filtration+ Sludge Dewatering Unit	2022
	WASTEWATER TREATMENT PLANT (UYSAL-2 FACTORY/IZMIR)	30 m ³ /h WWTP Revision + Filtration Unit	2021
	WASTEWATER TREATMENT PLANT (SALIHILI/MANISA)	50 m ³ /h Chemical WWTP + Filtration+ Sludge Dewatering Unit	2020

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (ADANA)	30 m ³ /h Chemical + Biological WWTP + Filtration + Water Reuse Unit (RO) + Sludge Dewatering Unit + Scrubber	2019

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (MICHA FACTORY/IZMIR)	20 m ³ /h Chemical + Biological WWTP + Sludge Dewatering Unit	2023
	WASTEWATER TREATMENT PLANT (ANKARA)	17 m ³ /h Chemical + Biological WWTP + Sludge Dewatering Unit	2014

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (TEKIRDAG)	5 m ³ /h Chemical + Biological WWTP + Filtration + Sludge Dewatering Unit + Scrubber	2022
	WASTEWATER TREATMENT PLANT (ISTANBUL)	5 m ³ /h Chemical + Biological WWTP + Sludge Dewatering Unit	2010

SOME OF COATING & PLATING WWTP REFERENCES

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (INDIA)	3 m ³ /h Chemical WWTP + Filtration + Recovery + Sludge Dewatering Unit	2011

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (UKRAINE)	10 m ³ /h Chemical WWTP + Filtration + Recovery + Sludge Dewatering Unit	2012

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (ISTANBUL)	10 m ³ /h Chemical WWTP + Filtration + Recovery + Sludge Dewatering Unit	2012

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (SAUDI ARABIA)	10 m ³ /day Chemical WWTP + Sludge Dewatering Unit	2019

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (ESKISEHIR)	7 m ³ /h Chemical WWTP Rev. + Filtration Unit	2022
	WASTE WATER TREATMENT PLANT (ESKISEHIR)	7 m ³ /h Chemical WWTP + Sludge Dewatering Unit	2018

COMPANY	PROJECT	CAPACITY	DATE
	WASTEWATER TREATMENT PLANT (KOCAELI)	10 m ³ /h Chemical WWTP + Sludge Dewatering Unit	2019

WASTEWATER TREATMENT PLANTS FOR METAL INDUSTRY

GESU Environmental Technologies has been serving in the field of wastewater treatment plants of plating technologies used in the metal industry for more than 25 years. GESU Environmental Technologies specialize in the treatment of metal industry wastewater and have important references and solution-oriented experience in wastewater treatment plants of sub-sectors of the metal industry, such as,

- Alkaline Zinc Plating Plants,
- Acidic Zinc Plating Plants,
- Galvanized Plating Facilities,
- Chrome Plating Facilities,
- Nickel Plating Facilities,
- Copper Plating Facilities,
- POP (ABS) Coating Facilities,
- Phosphate Coating Facilities,
- Cataphoresis Plating Facilities etc.

GESU Environmental Technologies improves the investment costs of customer companies by offering a solution partnership based on 100% trust and experience to its customers in the metal sector; and contributes to the sustainability of customer companies with the appropriate solutions it offers for each company.



SOME OF OUR PROJECTS



SOME OF OUR PROJECTS



SOME OF OUR PROJECTS



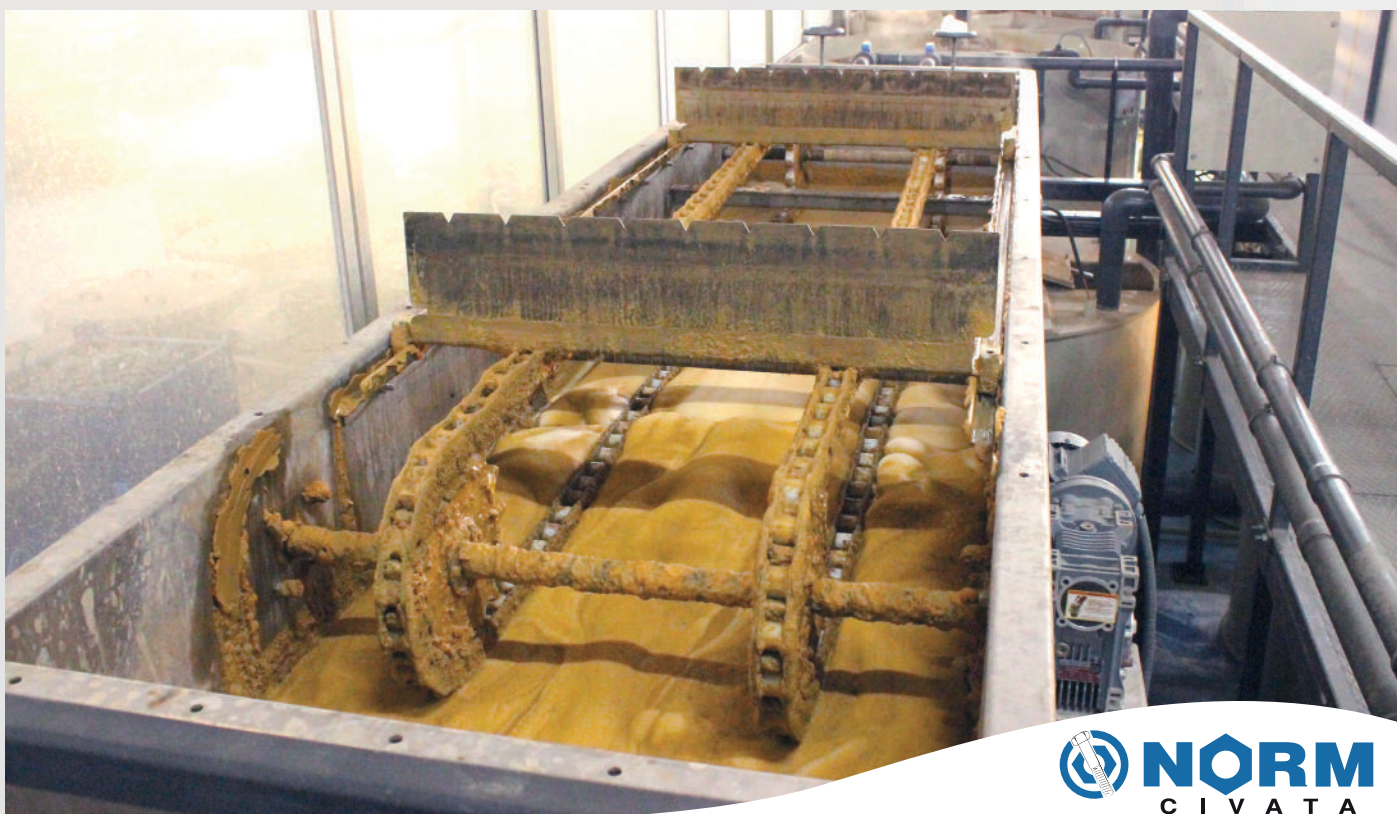
SOME OF OUR PROJECTS



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SOME OF OUR PROJECTS



GESU



ENVIRONMENTAL TECHNOLOGIES



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GAIN Future.