

DENGE ENVIRONMENTAL ENGINEERING

Water Treatment Technologies Industry & Trade Ltd. Co. — Reference Portfolio

1. WASTEWATER TREATMENT PLANT REFERENCES

1	SESMEKE ENVIRONMENTAL SERVICES	2007 Ceyhan	Sequencing Batch Reactor (SBR) biological treatment system for domestic wastewater. Capacity: 5 m ³ /day
2	SİLSAN A.Ş.	2006 Adana	Design and implementation of a Domestic Wastewater Treatment Plant for the factory. Manufactured as a packaged steel structure. Capacity: 30 m ³ /day SEQUENCING BATCH REACTOR (SBR)
3	MAVİDENİZ RESIDENTIAL COMPLEX	2006 Adana - Karataş	Complete revision and overhaul of the existing plant that failed to meet discharge criteria. Capacity: 100 m ³ /day
4	AYDINLIKEVLER RESIDENTIAL COMPLEX	2006 Adana - Karataş	Complete revision of the existing plant that failed to meet discharge criteria. Capacity: 50 m ³ /day
5	GEDİK HOLIDAY VILLAGE	2005 Adana - Yumurtalık	Complete revision of the Domestic Wastewater Treatment Plant using Extended Aeration Activated Sludge process. Capacity: 100 m ³ /day
6	ALBAL AQUACULTURE SLAUGHTERHOUSE	2006 Adana	Design and implementation of the Wastewater Treatment Plant for a domestic and seafood processing facility. Manufactured as a packaged steel structure. Capacity: 15 m ³ /day SEQUENCING BATCH REACTOR (SBR)
7	GÜNEY EXPORT VEHICLE WASHING AREA	2006 Adana	Design and execution of a treatment plant for an oil tanker washing facility. Built as a packaged steel structure. Capacity: 5 m ³ /hour; featuring oil separation, sedimentation, and neutralization systems.

8	GANJA AIRPORT (META-ISTANBUL)	2006 Azerbaijan	Design and application of Domestic Wastewater Treatment Plant. Packaged steel structure manufacturing. Capacity: 120 m ³ /day (2 x 60 m ³ SEQUENCING BATCH REACTORS)
9	BAKU AIRPORT (META-ISTANBUL)	2006 Azerbaijan	Domestic Wastewater Treatment Plant project design and engineering phase. Capacity: 2000 m ³ /day
10	PINARDERE MUNICIPALITY	2005 Mardin	Wastewater treatment plant engineering design and technical specifications. Process: Constructed Wetlands (Artificial Wetland) for 4,000 person equivalent.
11	LİDER İNŞAAT A.Ş. / (META-ISTANBUL)	2005 Antalya	Design and installation of a Domestic Wastewater Treatment Plant. Packaged steel structure design. Capacity: 100 m ³ /day (500 PE)
12	METROPOLITAN SLAUGHTERHOUSE	2005 Adana	Slaughterhouse wastewater treatment design, plumbing, mechanical equipment supply, fabrication of custom equipment, turn-key installation, plant operation, and obtaining the legal environmental discharge permit. Type: Industrial Wastewater Treatment (Chemical + Biological). Capacity: 1,200 m ³ /day
13	SESMEKE ENVIRONMENTAL SERVICES	2005 Ceyhan	Treatment of oily wastewater generated from BTC pipeline inspector vehicle washing service. Equipped with a Corrugated Plate Interceptor (CPI) oil separator with a capacity of 5 m ³ /hour. Also includes an SBR biological treatment system for domestic wastewater with a capacity of 5 m ³ /day.
14	SESMEKE ENVIRONMENTAL SERVICES	2005 Kayseri	Treatment of oily wastewater from BTC pipeline inspection team washing services. Equipment: CPI Oil Separator. Capacity: 5 m ³ /hour
15	SESMEKE ENVIRONMENTAL SERVICES	2005 Erzincan	Treatment of oily wastewater from BTC pipeline inspection team washing services. Equipment: CPI Oil Separator. Capacity: 5 m ³ /hour
16	SESMEKE ENVIRONMENTAL SERVICES	2005 Kars	Treatment of oily wastewater from BTC pipeline inspection team washing services. Equipment: CPI Oil Separator. Capacity: 5 m ³ /hour

17	GLORIA USA CAMP / MOSUL	2004 Iraq	KBR – SERKA GROUP. Wastewater Treatment Plant system consultancy, inspection, installation, and operation services. Executed project engineering audits and corrections for stabilization ponds, followed by mechanical equipment installation and commissioning.
18	ORZE TEXTILE A.Ş.	2003 Adana	Implementation of an automated pH neutralization system to prevent wastewater from exceeding municipal sewer discharge regulations. Capacity: 1,500 m³/day
19	DİLEK HOLIDAY COMPLEX	2003 Karataş	Complete revision and retrofit of the existing plant that failed to meet discharge criteria. Capacity: 120 m³/day
20	ASİST İNŞAAT A.Ş.	2003 Turkmenistan	TURKMENBASHI MASLAHAT CENTER - IRRIGATION WATER RECLAMATION PLANT. Advanced water reclamation facility treating raw sewage pumped from the main sewer line to generate high-quality irrigation water for the congress center grounds. Type: Biological + Advanced Treatment System. Capacity: 170 m³/day
21	ASYA METAL A.Ş. (Battery Factory)	2002 Adana	Turn-key execution and setup of a specialized Industrial Chemical Wastewater Treatment Plant to treat heavy metal contaminated effluent from a scrap battery lead reclamation facility. Type: Chemical Heavy Metal Precipitation. Capacity: 240 m³/day
22	YUMMY FRUIT JUICES A.Ş.	2001 Mersin	Industrial Biological Wastewater Treatment Plant for a fruit concentrate and beverage production plant. Capacity: 150 m³/day
23	GÜNEY SÜT A.Ş.	2001 Adana	Turn-key construction of an Industrial Wastewater Treatment Plant for an integrated dairy production complex. Process: 2-Stage Biological Treatment. Capacity: 250 m³/day
24	TERASEVLER RESIDENTIAL COMPLEX	2001 Yumurtalık	Design and implementation of a Domestic Wastewater Treatment Plant. Capacity: 50 m³/day

25	ÖZALTIN RESIDENTIAL COMPLEX	2001 Karataş	Revision, retrofitting, and subsequent operational management of a Domestic Wastewater Treatment Plant.
26	BURCU TAVUKÇULUK (Poultry Processing)	2000 Adana	Plumbing and mechanical revision and facility operation of an existing plant to successfully treat bloody and heavily polluted organic biological wastewater from a poultry slaughterhouse. Type: Biological Treatment. Capacity: 100 m ³ /day
27	YUMTA A.Ş.	2000 Adana	Design review, piping, mechanical equipment supply, custom manufacturing of process units, turn-key execution, ongoing plant operation, and securing official environmental discharge credentials for a slaughterhouse. Type: Industrial (Chemical + Biological Treatment). Capacity: 400 m ³ /day
28	YÜKSEL HOLIDAY COMPLEX	2000 Karataş	Revision, overhaul, and technical operation of a Domestic Wastewater Treatment Plant.
29	GARİP TAVUKÇULUK LTD. ŞTİ.	1999 Adana	Mechanical retrofit and process optimization of an existing biological plant to cope with increased industrial load and enhance overall purification efficiency for poultry processing effluent. Capacity: 130 m ³ /day Biological Treatment.
30	SARAY PİLİÇ LTD. ŞTİ.	1999 Adana	Piping and mechanical refitting along with technical plant operation for highly organic, bloody poultry slaughterhouse wastewater. Capacity: 100 m ³ /day Biological Treatment.
31	GÜNEY SABUN LTD. ŞTİ.	1998 Adana	Purification of heavily polluted industrial wastewater originating from a recovery enterprise producing soap out of soapstock (oil manufacturing by-product). Type: Chemical + Biological Treatment. Capacity: 10 m ³ /day

2. DRINKING AND UTILITY WATER TREATMENT SYSTEM REFERENCES

1	GERMAKSAN / GERDAN GROUP FACTORY	2006 Adana	Analysis of existing well water to provide facility-wide clean water supply. Installed a 5 m ³ /hour capacity water softening system and an automated chlorine dosing system for comprehensive disinfection prior to the main storage tank. Additionally, compact 250 liters/day Reverse Osmosis units were deployed at the office and cafeteria kitchens to maximize drinking water quality.
2	NATO İNCİRLİK AIR BASE	2005 Adana	Guesthouse boiler room water softening system. Features a tandem automatic flow-controlled configuration. Capacity: 12 m ³ /hour
3	ÇİMSA CEMENT FACTORY CAFETERIA	2005 Mersin	Centralized water softening system for water used in the cafeteria to comply with SODEXHO standards. Capacity: 2-5 m ³ /hour flow-controlled system.
4	WORLD VISION RELIEF ORGANIZATION	2004 Mosul - Iraq	Muftial, Ibrahim Khalil, and Turkmaz villages drinking water supply project. River water was extracted, filtered, and treated into safe, high-quality potable water for local communities.
5	WORLD VISION RELIEF ORGANIZATION	2005 Mosul - Iraq	Qabr Al Abit, Cemaliye, and Al Dawasw villages drinking water supply scheme. River water purification systems implemented to secure clean drinking water.
6	NATO İNCİRLİK AIR BASE	2005 Adana	Main boiler room water softening system. Tandem automatic volumetric-controlled configuration. Capacity: 5-10 m ³ /hour
7	GARİP TAVUKÇULUK	Adana	Utility water treatment system. Multi-stage cartridge filtration coupled with an Ultraviolet (UV) disinfection system. Flow Rate: 30 m ³ /hour
8	ÖZLER APARTMENT COMPLEX	Adana	Potable and utility water purification scheme. Automatic backwashing sand filtration, water softening system, activated carbon filtration, and UV sterilization. Flow Rate: 5 m ³ /hour

9	OLMUKSA A.Ş.	Adana	Drinking and utility water treatment setup. Chlorine dosing unit, automatic backwash sand media filter, activated carbon filtration, and UV disinfection unit. Flow Rate: 4 m ³ /hour
10	OLGUN MÜHENDİSLİK LTD. ŞTİ.	Adana	Acid dosing pump for boiler scale removal/descaling operations. Flow Rate: 6 m ³ /hour
11	ÖĞRETMENLER RESIDENTIAL COMPLEX	Adana	Drinking and domestic utility water purification system. Flow Rate: 5 m ³ /hour
12	ABDİOĞLU MUNICIPALITY	Adana	Township drinking and utility water treatment facility. Chemical oxidation, automated chlorine dosing system, and pressurized backwashing sand media filtration. Flow Rate: 75 m ³ /hour
13	MAVİ AY RESIDENTIAL COMPLEX	Adana	Drinking and utility water purification scheme. Physical mechanical filtration, ion-exchange softening plant, active carbon media filter, and micro-precision cartridge filtration. Flow Rate: 3 m ³ /hour
14	GARİP TAVUKÇULUK - ÇAMALAN	Adana	Automated hatchery incubation machinery process feed-water treatment system. Mechanical pre-filtration, automatic softening, and magnetic anti-scale lime prevention system. Flow Rate: 5 m ³ /hour
15	MUSTAFA PAKSOY APARTMENT COMPLEX	Adana	Potable water purification. Automated backwashing media sand filter, ion-exchange softener, activated carbon filter, and Ultraviolet sterilizer. Flow Rate: 4 m ³ /hour
16	SÖNMEZLER TARIM A.Ş.	Adana	Drinking and utility water filtration system and Ultraviolet disinfection unit. Flow Rate: 4 m ³ /hour
17	REBEL KOZMETİK LTD. ŞTİ.	Adana	Process and utility water system comprising sand filtration, ion-exchange softening, active carbon media filtration, and Ultraviolet disinfection. Flow Rate: 3 m ³ /day

18	STFA-ALKE ADANA DRINKING WATER JOINT VENTURE SITE	Adana	Construction campsite water system including multi-media filtration, automatic water softening, active carbon polishing, and UV sterilization. Flow Rate: 1 m ³ /hour
19	TENNIS AND MOUNTAINEERING CLUB	Adana	Clubhouse utility water purification involving multimedia sand filtration, softeners, and active carbon absorption filters. Flow Rate: 1 m ³ /hour
20	KEMAL TANRISEVEN RESTAURANT	Adana	Commercial kitchen water conditioning unit with sand filtration, ion-exchange water softening, and active carbon filters. Flow Rate: 3 m ³ /hour

3. SWIMMING POOL FILTRATION SYSTEM REFERENCES

1	Niyazi İNCİRCİ - Private Villa	1999	Indoor private residential swimming pool filtration and circulation setup. Volume: 70 m ³
2	Mustafa YUMRU (Zafer İnşaat) - Private Villa	2000	Private villa outdoor swimming pool filtration installation. Volume: 90 m ³
3	Teras Evler Residential Complex (Teknik Güç İnş)	2002	Large shared residential estate community swimming pool filtration project. Volume: 450 m ³
4	Qwest Camp - Iraq	2004	Complete overhaul, physical upgrade, and mechanical system revision of a military camp swimming pool.
5	Mustafa İNEP - Private Villa	2005	Private villa swimming pool filtration and chemical dosing systems. Volume: 90 m ³