



PlanetTEK Environment and Treatment Technologies Inc.

PlanetDISK® Biological Wastewater Treatment Systems which consumes the least amount of energy and is the easiest to maintain among all known wastewater treatment technologies!

CE Certified, German patented Rotating Biological Contactor (RBC) Systems manufactured by PlanetTEK Inc. in Türkiye!

PlanetTEK Environment and Treatment Technologies Inc. is currently active in close to 30 countries on 5 continents. Companies, states, military bases prefer us over other Technologies because of;

- 90% energy savings compared to other technologies and can easily powered by solar energy.
- Negligible operating cost.
- Non-complex, easy care operation and maintenance. There is no need for technically trained personnel for operation.
- No noise or smell features.
- The system is modular. Depending on the seasonal need, the number of units can be increased or some of the existing units can be deactivated. The plant can easily be moved to other places.

Our German technology, **100% Made in Türkiye** decentralized sewage treatment system **PlanetDISK®** can treat sewage and the treated water can be used for irrigation, flushing toilets or simply to discharge the treated water to river, lake or sea without causing any damage to Mother Nature.

We are proud to be the solution partner of the following STARS of the World; **VEOLIA of France, NATO Military Base of Kosovo, Metito of UAE at Doha and in Seychelles, ARAMCO of S. Arabia, Capital Water of Chile, KfW Finance Institution of Germany, Unilever – Lipton BP, Solis S.A. of Greece, Multi Waste of Botswana, ThyssenKrupp of Germany, Xelera of MEXICO, ABCO and HEAL of Australia.**

The **PlanetDISK®** system is ideal for residential areas with a population of up to 20,000 people. **PlanetTEK** Team is ready to add value to your projects as your solution partner in domestic wastewater treatment and to offer 18 years of experience to your service.

"One day everything will be cheaper than water®". The World is our only home and it is our responsibility to save it for the future generations and OURSELVES!



PlanetDISK®



Conventional Activated Sludge

Method	Rotating Biological Contactor - RBC	Activated Sludge (AS)
Noise level	Very low <60 db	Annoying, humming>100 db
Odor	Negligible	Usually at disturbing levels
Corrosion	All metal parts in contact with wastewater are stainless or galvanized steel. HDPP, PE and GRP will endure corrosion for over 50 years.	Excessive rust and corrosion usually within 3-4 years Life expectancy is <10 years.
Maintenance	Does not require constant attention or sophisticated instrumentation for any kind of measurements. The process results is not dependent the human factor. No special care is needed other than lubricating bearings monthly, washing lamella separator once a week for 15 - 20 minutes and maintaining the coarse and fine screens.	The operator must constantly be aware of conditions that could lead to poorly settling sludge or inadequate BOD removal. This requires continual monitoring of the wastewater. The process results depends on human skills.
Power and operating cost	Less than \$0.1 per person per month, minimum power consumption among all waste water treatment methods. Minimum spare parts needed due to a few moving parts.	Due to powerful blower, 8 -9 times more power consumption. High speed rotating blowers require frequent maintenance.
Space requirement	Almost 50% less footprint than AS	Requires bigger space.
Sludge amount	Fixed film systems generate fewer and more concentrated solids than AS. This results in smaller clarifiers and reduces the size of solids handling systems. Almost 50% less than activated sludge requirement.	Sludge produced is usually 50% more than the fixed film systems. Technical literature regarding AS is filled with advice on how to avoid filamentous growth, foaming, dispersed growth, and other situations that lead to poor liquid/ solids separation and poor effluent quality.



OUR PRIDE LIST IN THE WORLD

Number	Projects	Delivery / Commisioning Date	Capacity (people)
1	ORIENT ENGINEERING – CANCER CARE HOSPITAL & RESEARCH CENTER - PAKISTAN	2020	1000
2	TML CONSTRUCTION – MISURATA FREE ZONE - LIBYA	2020	1200
3	ABCO WATER SYSTEMS – AUSTRALIA	2020	300
4	ABCO WATER SYSTEMS - NEWMONT GOLD MINING COMPANY – AUSTRALIA	2020	100
5	HEAL GROUP OF COMPANIES – CUNNAMULLA TOWN – AUSTRALIA	2020	1100
6	EMAAR RESIDENCE – KARACHI, PAKISTAN	2020	800
7	AES ARABIA LTD. – SAUDI ARABIA - SAUDI ARABIA	2020	400
8	PROTECH AL - NATO MILITARY BASE OF KOSOVO	2020	1300
9	METSITEC WATER RECYCLING SYSTEMS – SOUTH AFRICA	2019	400
10	MULTI WASTE PTY LTD – BOTSWANA	2019	500
11	MULTI WASTE PTY LTD – BOTSWANA	2019	150
12	AL ZAYTONE UNIVERSITY OF SCIENCE AND TECHNOLOGY – SALFEET, PALESTINE	2019	2000
13	ABAAD CONTRACTING COMPANY - BIRZEIT UNIVERSITY, ARRIYAD STUDENT DORMITORY – PALESTINE	2019	300
14	METITO WATER TREATMENT SAE - AU CAP HOUSES – SEYCHELLES	2019	125
15	METITO WATER TREATMENT SAE - ANSE AUX PINS HOTELS – SEYCHELLES	2019	250
16	METITO WATER TREATMENT SAE - EX ALBERT HOUSES – SEYCHELLES	2019	125
17	ABCO WATER SYSTEMS – GOLD MINE CAMP BUILDING SITE – AUSTRALIA	2019	600
18	XELERA S. A. DE C. V. - THYSSEN KRUPP FACTORY – PUEBLA, MEXICO	2018	1000
19	ABS WATER TREATMENT TECHNOLOGIES – MILITARY BASE – SOUTH SUDAN	2018	1600
20	SOLIS S. A. CONSTRUCTION COMPANY – LARISSA CITY’S VILLAGES- GREECE	2018	1800
21	DDFC (PTY.) LTD.- MANGLA DAM CAMPING AREA - PAKISTAN	2018	500
22	HEAL GROUP OF COMPANIES – AUSTRALIA GOVERNMENT REFUGEE CAMP - PAPUA, NEW GUINEA	2017	1200



23	EAU DEBIT TECHNOLOGIE – LOTISSEMENT KANZI HOUSING SITE - CASABLANCA, MOROCCO	2017	600
24	ARAMCO - JEDDAH YANBU PIPELINE LABOR CAMPS - SAUDI ARABIA	2017	1750
25	ECETAS CONSTRUCTION – FINANCED BY KFW GERMAN BANK, CHAKVI VILLAGE - BATUMI, GEORGIA	2016	1570
26	AQUAFELIX TREATMENT COMPANY – ITALIAN HOSPITAL - DJIBOUTI	2016	1000
27	SAHINSOY LTD – MILITARY BASE – KYRENIA, TRNC	2016	150
28	METITO OVERSEAS LTD. - STATE WAREHOUSE - DOHA, QATAR	2016	3500
29	VEOLIA ENVIRONMENTAL SERVICES - MILITARY BASE – RIYADH, SAUDI ARABIA	2015	7500
30	CAPITAL WATER (CHILE) – LUXURY HOUSING – GHANA	2015	1500
31	CONSTRUCTION SITE - CHEVRON OIL DRILL AREA - KAZAKHISTAN	2015	1800
32	ENKA CONSTRUCTION – DAM SITE - ALGERIA	2007	1000



OUR PRIDE LIST IN TURKEY

Number	Projects	Delivery / Commisioning Date	Capacity (people)
1	TURKISH ARMY – MILITARY BASE - ANKARA	2020	1000
2	CITLEKCI TUNCLAR HIGHWAY BUS REST STATION – KIRIKKALE	2020	100
3	BARTONE CONSTRUCTION – NIGDE PROVINCIAL ADMINISTRATION – CIFTEHAN THERMAL TOURISM REGION (STATE PROJECT)	2019	2700
4	PROJE SISTEM – AFAD HOUSES – ILBANK - EZINE, CANAKKALE (STATE PROJECT)	2019	100
5	CANAKKALE PROVINCIAL ADMINISTRATION - BIGA, KEMER VILLAGE (STATE PROJECT)	2018	1500
6	CANAKKALE PROVINCIAL ADMINISTRATION - PINARBASI VILLAGE (STATE PROJECT)	2018	500
7	CANAKKALE PROVINCIAL ADMINISTRATION - KIZILCAOREN VILLAGE (STATE PROJECT)	2018	500
8	CANAKKALE PROVINCIAL ADMINISTRATION - LAPSEKI VILLAGE (STATE PROJECT)	2018	500
9	BİLİSİM VADISI TECHNOLOGY SILICON VALLEY – KOCAELI (STATE PROJECT)	2018	2000
10	PUPA LTD. STI. – GARANTI KOZA – ENERGY POWER STATION BODRUM, MUĞLA	2018	250
11	CANAKKALE PROVINCIAL ADMINISTRATION - TECHNOPARK TECHNOLOGY DEVELOPMENT REGIONS A. S. (STATE PROJECT)	2018	1000
12	CANAKKALE PROVINCIAL ADMINISTRATION – HALILELI VILLAGE (STATE PROJECT)	2018	500
13	CANAKKALE PROVINCIAL ADMINISTRATION – CIPLAK VILLAGE (STATE PROJECT)	2018	500
14	NORM CONSTRUCTION – FIERRA VISTA HOUSES - BODRUM	2018	100
15	BAUTEK KUGU HOUSES – ISTANBUL	2018	1000
16	CINAR ELITE CONSTRUCTION - SOUL OF BODRUM HOUSES - BODRUM	2018	100
17	KIRSEHIR PROVINCIAL ADMINISTRATION - YAYLAOZU VILLAGE (STATE PROJECT)	2018	1000
18	BASKI BALIKESIR WATER AND SEWAGE AUTHORITY- IVRINDI TOWN (STATE PROJECT)	2018	3000
19	EMT CONSTRUCTION – TOKI - KERIM KOK MILITARY BASE - SEREFLIKOCHisAR, ANKARA (MILITARY PROJECT)	2017	1000
20	AMASYA PROVINCIAL ADMINISTRATION - KAYABASI VILLAGE (STATE PROJECT)	2017	500
21	BOSPHORUS UNIVERSITY CAMPUS - KILYOS, ISTANBUL	2016	3500
22	MYC PARTNERS - LE MERIDIEN RESIDENCES AND HOTELS - BODRUM	2016	1000



23	İNANLAR CONSTRUCTION - INANLAR VADI TERRACE - ZEKERİYAKOY, ISTANBUL	2016	300
24	İNANLAR CONSTRUCTION - INANLAR HAYAT TERRACE - ZEKERİYAKOY, ISTANBUL	2016	300
25	MARSU MARDIN WATER AND SEWERAGE ADMINISTRATION (WITH SOLAR PANEL) – SURGUCU TOWN (STATE PROJECT)	2016	4500
26	KAZDAGI HOUSES – EDREMIT TOWN - BALIKESIR	2016	350
27	EU FUNDED SYRIAN REFUGEE CAMP - KIRKLARELI	2016	1000
28	MESA CONSTRUCTION - ADNAN MENDERES CULTURAL CENTER CONSTRUCTION SITE - YASSIADA, ISTANBUL	2015	400
29	UNILEVER LIPTON TEA - SOCIAL RESPONSIBILITY PROJECT- DIKKAYA VILLAGE - RIZE	2015	500
30	GREEN HOUSE FOR MEDICAL PLANTS - AFYONKARAHISAR	2014	500
31	OVACIK WATER BOTTLING FACTORY - GEBZE, IZMIT	2014	150
32	EIFFEL CONSTRUCTION – KIDS TOWN HOUSING - RIVA, ISTANBUL	2014	300
33	İNANLAR CONSTRUCTION - INANLAR DOGA TERRACE - ZEKERİYAKOY, ISTANBUL	2014	200
34	İNANLAR CONSTRUCTION - INANLAR TERRACE PLUS - ZEKERİYAKOY, ISTANBUL	2014	180
35	T. CILLER PARKONE HOUSES - ZEKERİYAKOY, ISTANBUL	2014	350
36	FORESTRY & WATER WORKS MINISTRY - NATIONAL PARK VISITORS FACILITY - VEZIRKOPRU, SAMSUN (STATE PROJECT)	2014	500
37	INTERNATIONAL ROTARY CLUB - SOCIAL RESPONSIBILITY PROJECT - VEZIRKOPRU VILLAGE & ELEMENTARY SCHOOL -SAMSUN	2014	500
38	KUTLUSAN FACTORY - KEMALPAŞA, IZMIR	2014	150
39	ALMAT RENAISSANCE HOUSES – ZEKERİYAKOY, ISTANBUL	2013	200
40	BAYIR CONSTRUCTION - BAYIR TOWNHOUSES - ZEKERİYAKOY, ISTANBUL	2013	150
41	GUNEYYAKA LUXURY HOUSES - USAK	2013	200
42	IGNEADA MUNICIPALITY – KIRKLARELI (STATE PROJECT)	2013	3000
43	IGNEADA MUNICIPALITY- - KIRKLARELI (STATE PROJECT)	2013	2000
44	ASKİ ANKARA WATER AND SEWERAGE ADMINISTRATION – Y.ÇAVUNDUR VILLAGE (STATE PROJECT)	2013	1000
45	EAST TOWN TOWNHOUSES – ZEKERİYAKOY, ISTANBUL	2013	300
46	PARKEVLER TOWNHOUSES - ANTAKYA	2013	450
47	DUMAS TOWNHOUSES – ISKENDERUN, HATAY	2013	250
48			
49	ROMER CONSTRUCTION - KALE KILIT HOSPITAL - DIVRIGI, SIVAS	2012	600
50	SAYEK TOWNHOUSES – ISKENDERUN, HATAY	2012	250
51	ASKİ ANKARA WATER AND SEWERAGE ADMINISTRATION – BEZİRHANE VILLAGE (STATE PROJECT)	2012	1300
52	ASKİ ANKARA WATER AND SEWERAGE ADMINISTRATION – PAZAR VILLAGE (STATE PROJECT)	2012	1000
53	ASKI WATER AND SEWAGE AUTHORITY - CUBUK VILLAGE WWTP - ANKARA	2011	800
54	ASKI WATER AND SEWAGE AUTHORITY - KAZAN VILLAGE WWTP - ANKARA	2011	2150



55	EDİRNE PROVINCIAL ADMINISTRATION – BUYUKEVREN VILLAGE (STATE PROJECT)	2011	1000
56	EDİRNE PROVINCIAL ADMINISTRATION – SULTANICE VILLAGE (STATE PROJECT)	2011	4500
57	BEZEK TIRES FACTORY – ADAPAZARI, SAKARYA	2011	400
58	SINCAPEVLER VILLAGE – ISTRANCA, TEKIRDAG	2011	900
59	GUNEY CONSTRUCTION - MY TOWN HOUSES- ZEKERİYAKOY, ISTANBUL	2010	300
60	MAVI YILDIZ TOWN HOUSES - ZEKERİYAKOY, ISTANBUL	2010	120
61	TEKFEN - BRITISH PETROLEUM- BAKU TIBLIS CEYHAN PIPELINE STATION PT1 - POSOF, ARDAHAN	2010	300
62	TEKFEN - BRITISH PETROLEUM- BAKU TIBLIS CEYHAN PIPELINE STATION PT3 - CAYIRLI, ERZINCAN	2010	300
63	MIKA CONSTRUCTION - SARIYER PLUS APARTMENT HOUSES - SARIYER, ISTANBUL	2010	250
64	BERGGRUEN TOWN HOUSES - GUMUSLUK, BODRUM	2010	250
65	TEKFEN - BRITISH PETROLEUM - BAKU TIBLIS CEYHAN PIPELINE STATION IPT1 - KAHRAMANMARAS	2010	250
66	TINAZTEPE HIGHWAY BUS REST STATION - KONYA	2008	1000
67	SNC LAVALIN GOLD MINE - ERZINCAN	2008	120
68	ADALI HOLDING – RIZE HYDRO ELECTRIC POWER PLANT	2008	300
69	DERBENT VILLAS - ISTANBUL	2008	1200
70	SANCAK AIR - AYVALIK TOWN HOUSES - AYVALIK, BALIKESIR	2008	150
71	PARKVILLE LUXURY HOUSES - TUZLA, ISTANBUL	2007	120
72	ERTAS KORU HOUSES – TUZLA, ISTANBUL	2007	250
73	SOLAR HOUSE - DIYARBAKIR	2007	25
74	ISTANBUL METROPOLITAN MUNICIPALITY DRAGOS SOCIAL FACILITY (STATE PROJECT)	2007	500
75	ARPAS - DOCKING SITE - AMBARLI, ISTANBUL	2007	1000
76	MUNICIPALITY SOCIAL FACILITY PROJECT - DRAGOS, ISTANBUL	2007	500
77	BEZEK RUBBER FACTORY – ADAPAZARI, SAKARYA	2006	300
78	ANDICEN (SABANCI) VILLAS - ISTANBUL	2006	500
79	DELTA PETROL REFINERY PERSONNELL – DORTYOL, HATAY	2005	300