



National and International References

Biogest-Wastewater Treatment Plants for Biological Treatment

Project code	Connection load (p.e.)	Kind of project	Process mode	Start-up year
1. Afghanistan				
Kabul (Armed Forces)	3,000 / TS	ISAF-compound	SBR	2003
2. Algeria				
Bejaja	2,500	holiday park	SBR	1999
Seriana	1,500	village	SBR	2000



Biogest-wastewater treatment plant of the Bulgarian town Beloslav (20,000 p.e.).



Pre-treatment station of the WWTP Koprivnica (max. hydraulic load = 1,600 m³/h).

3. Antarctica

Godwana	100	research station	SBR	1986
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4. Austria

Albeck / Simitz II	1,250	village	SBR	1989
Allerheiligen 1 / Steiermark	450	village	SBR	1986
Allerheiligen 2 / Steiermark	700	village	SBR	1985
Almtal / Oberösterreich	900	camping site	SBR	1983
Arbesbach / Niederösterreich	1,800	village	SBR	1985
Aschach / Oberösterreich	2,000	landfill site	SBR	1987
Büchl-Nöstl / Steiermark	850	village	SBR	1987
Dobersberg	1,800	village	SBR	1986
Eisenkappel	4,000	village	SBR	1994
Gutenberg / Steiermark	650	village	SBR	1991
Haidersdorf II / Niederösterreich	2,500	village	SBR	1995
Hainbuch	1,250	village	SBR	1992
Herrnbaumgarten / Niederösterr.	6,000	village	SBR	1990
Hollern / Niederösterreich	300	village	SBR	1990



Project code	Connection load (p.e.)	Kind of project	Process mode	Start-up year
Jungbunzlauer / Niederösterr.	1,100	factory	SBR	1990
Kapfenstein / Steiermark	2,000	village	SBR	1991
Klaus / Vorarlberg	3,000	village	SBR	1989
Kl. Semmering / Steiermark	350	village	SBR	1984
Koglhof / Steiermark	500	village	SBR	1988
Krems	150	test station (univer.)	SBR	1988
Krottendorf	1,850	village	SBR	1988
Merkersdorf / Niederösterr.	350	village	SBR	1986
Münchendorf / Niederösterr.	4,700	small town	SBR	1984
Neuhaus am Klausenbach	1,300	village	SBR	1988
Phyrn-Autobahn / Steiermark	650	drive in restaurant	SBR	1989
Pistorf	2,000	village	SBR	1984
Ranten / Steiermark	650	village	SBR	1996
Redlschlag	700	village	SBR	1988
Rosenbach / Kärnten	400	drive in restaurant	SBR	1989
Schönberg / Steiermark	200	village	SBR	1992



BSK®-Surface Aerator operating in a WWTP located next to Alexandria.

Schwarzau	1,400	village	SBR	1993
Schweiggers	900	village	SBR	1988
Seewiesen / Steiermark	590	village	SBR	1989
Sillian / Osttirol	300	hotel resort	SBR	1988
St. Jakob im Walde / Steiermark	1,200	village	SBR	1988
St. Kathrein / Steiermark	3,100	village	SBR	1989
St. Peter	1,000	village	SBR	1986
Steinfurt / Burgenland	500	village	SBR	1982
Taxenbach / Salzburg	700	village	SBR	1988
Tieschen I / Steiermark	1,300	village	SBR	1989
Tieschen II / Steiermark	1,300	village	SBR	1990
Tragwein / Oberösterreich	600	village	SBR	1990
Treglwang	500	village	SBR	1988
Waldsee / Niederösterreich	374	farm centre	SBR	1985
Weinebene	523	village	SBR	1986
Wien	250	school	SBR	1990
Wiesen	2,000	village	SBR	1991
Zwaring / Steiermark	2,000	village	SBR	1985



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5. Belgium

Borgoumont	500	village	CF	1987
La Reid	370	village	CF	1988
Menen	800	village	CF	1985
Soignies / Lotissement	600	village		1987

6. Brasilia

Ciba-Geigy / Sao Paulo	150	factory	CF	1988
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7. Bulgaria

Beloslav	12,000	village	SBR	2005
Benkovski	400	tobacco factory	SBR	2003
Borovetz	2,000	hotel	SBR	1987
Bresovitza	2,600	village	SBR	2005
Dalgopol	25,000	town	SBR	2010
Emerald	500	hotel	SBR	2006
Gabrovo	99,780	town	CF	2015
Hisarya	28,000	town	SBR	2009



Wastewater Treatment Plant of the Croatian Town Virje (5,000 p.e.) operating with two SB-reactors, completely designed and equipped by Biogest International GmbH.



High-performance sludge dewatering centrifuge operating for up to 25 m³ sludge per hour. The dewatering result is > 25 % dry substance.

Humata	1,000	hotel	SBR	2008
Kardam	150	compound	SBR	2001
Kardzhali	75,000	town	CF	2015
Kladniza	1,000	village	SBR	2006
Kozlodui	30,000	village	SBR	2009/2013
Provadia	21,500	compound	SBR	2001/2013
Rakoviza	1,000	compound	SBR	2014
Roca	100	factory	SBR	2006
Sunny Beach	65,500	town	SBR	2005
Svilengrad	20,000	town	SBR	2015
Veliki Preslav	10,000	town	SBR	2008



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8. China

Bailonggang	150,000	town	CF	2008
Changchun	120,000	factory	CF	2006
Chuzhou	1,500	factory	AR	2002
Hefei Wangtang	70,000	town	CF	2008
Huludao	100,000	factory	SBR	2004
Jishou	60,000	factory	CF	2008
Ningbo	20,000	factory	SBR	2002
Sopo	150	holiday resort	SBR	2001

9. Colombia

Colombia	2,000	factory	SBR	2006
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10. Corsica

La Chiappa	750	holiday compound	SBR	1988
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In the northern region of China *Biogest International GmbH* realized a wastewater treatment plant for an industrial zone with domestic areas (approx. 150,000 population equivalents). Totally four (4) SB-Reactors are operating according to a special process mode, being designed for industrial wastewater.

11. Croatia

Apatovec	8,000	town	SBR	2012
Donji Kraljevec	4,500	village	SBR	2012
Durdevac	9,000	town	SBR	2009
Kalinovac	1,500	village	SBR	2006
Koprivnica	100,000	town	SBR	2009
Molve	1,700	village	SBR	2006
Veliko Trojstvo	3,600	village	SBR	2011
Virje	5,000	village	SBR	2007

12. Czech Republic

Humenné	6,400	textile factory	SBR	1989
Kamenice	5,000	village	CF	1998
Podkonice	1,100	village	SBR	1995



Project code	Connection load (p.e.)	Kind of project	Process mode	Start-up year
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13. Egypt

Amreya	65,000 / TS	town area	SBR	1997
Hanoville	65,000 / TS	town area	SBR	2005
Industrial zone Cairo (CMC)	80,000 / TS	industrial area	SBR	2001
Katameya	60,000 / TS	town area	SBR	2003
Tanan	100,000	town area	SBR	2009

14. Germany

Althirschstein / Sachsen	1,500 / TS	village/town	SBR	1998
Arzberg / Sachsen	3,000 / TS	village/town	SBR	1993
Aspach / Thüringen	800 / MS	village/town	SBR	1993
Auergründel / Bayern	400 / TS	village/town	SBR	1989
Beilrode / Sachsen	3,000 / TS	village/town	SBR	1993
Bösleben / Thüringen	600 / TS	village/town	SBR	2000
Bresinchen / Brand.	8,000 / TS	slaughterhouse	CF	1993
Burghaun / Hessen	250 / TS	hospital	SBR	1985
Bubach / Saarland	350 / MS	village/town	SBR	2000
Cunnersdorf / Sachsen	1,000 / TS	village/town	SBR	1995



BSK®-clear water decanter installed at a WWTP in Mexico.



BSK®-surface aerator under manufacturing in the Biogest-workshop.

Daasdorf / Thüringen	500 / TS	village/town	SBR	1996
Dietersheim / Bayern	2,200 / MS	village/town	SBR	1996
Dörrenbach / Saarland	550 / MS	village/town	SBR	1998
Ebratshofen / Bayern	495 / TS	village/town	SBR	1992
Fretzdorf / Brand.	2,000 / TS	drive-in restaurant	SBR	1992
Gaußig / Sachsen	900 / TS	village/town	SBR	1997
Gersheim / Saarland	4,600 / MS	village/town	SBR	2009
Gestratz / Bayern	900 / MS	village/town	SBR	1988
Göttern / Thüringen	800 / TS	village/town	SBR	1994
Grafenhaig / Bayern	500 / TS	village/town	SBR	1989
Großbothen / Sachsen	1,200 / TS	village/town	SBR	1994
Große Ledder / Nordr.-W.	150 / TS	hotel resort	SBR	1986



Project code	Connection load (p.e.)	Kind of project	Process mode	Start-up year
Großheringen / Thüringen	4,980 / MS	village/town	SBR	1999
Grünhain / Sachsen	2,500 / MS	village/town	SBR	1997
Guttau / Sachsen	2,100 / TS	village/town	SBR	1999
Halle / Sachsen-Anhalt	700 / TS	village/town	SBR	1998
Hirschsprung / Sachsen	1,600 / TS	village/town	SBR	2001
Höckendorf / Sachsen	3,000 / TS	village/town	SBR	2001
Hoxberg / Saarland	500 / MS	village/town	SBR	2002
Karlstal / Baden-W.	5,000 / MS	village/town	CF	1985
Kerlingen / Saarland	650 / MS	village/town	CF	2002
Kipsdorf / Sachsen	1,000 / TS	village/town	SBR	1996
Kövenig / Rheinl.-Pf.	500 / TS	village/town	SBR	1987
Kulmbach / Bayern	10,000 / TS	brewery	SBR	1988
Leppersdorf / Sachsen	1,600 / TS	village/town	SBR	1998
Leuna 1 / Sachsen-Anh.	500 / TS	power station	SBR	1998
Leuna 2 / Sachsen-Anh.	500 / TS	power station	SBR	1998
Lomnitz / Sachsen	1,600 / TS	village/town	SBR	2003
Maxen / Sachsen	1,000 / TS	village/town	SBR	1996
Molbitz / Thüringen	500 / TS	village	SBR	1992
Moritzburg / Sachsen	2,000 / TS	village/town	SBR	1993
Münchwies / Saarland	1,650 / MS	village/town	CF	1998



Compact pre-treatment station including fine screen, sand trap and grease separator. The special function of the patented sand trap allows to reduce the construction length by approx. 50 % compared with traditional sand traps.

Naumburg / Sachsen-Anh.	2,000 / TS	slaughterhouse	SBR	1996
Niederlinxweiler / Saarland	2,400 / MS	village/town	CF	2003
Niederwillingen / Thüringen	1,500 / MS	village/town	SBR	1998
Niemark / Schleswig-Holstein	30,000	waste treatment	CF	2005
Oberroning / Bayern	700 / MS	village/town	SBR	1989
Osterbrücken / Saarland	750 / MS	village/town	SBR	2001
Ostrau / Sachsen	2,400 / TS	village/town	SBR	2000
Peckatel / Meckl.-Vorp.	600 / TS	village	SBR	1992
Presseck / Bayern	1,500 / MS	village/town	SBR	1993
Reichenbach 1 / Sachsen	1,500 / MS	village/town	SBR	1994
Reichenbach 2 / Baden-W.	300 / TS	business centre	SBR	1994
Reumtengrün / Sachsen	300 / TS	village/town	SBR	1994



Project code	Connection load (p.e.)	Kind of project	Process mode	Start-up year
Rheinböllen / Rheinland-Pf.	3,000 / TS	Bosch-factory	SBR	1992
Rippolingen / Baden-W.	800 / MS	village	SBR	1990
Rothaus / Baden-W.	10,000 / TS	brewery	CF	1988
Rothaus / Baden-W.	10,000 / TS	brewery	SBR	1986
Schwarze Elster / Brandenburg	20,000 / TS	waste treatment	CF	2005
Schwedt / Brandenburg	500 / TS	business centre	SBR	1993
Schlegel/Mittweida / Sachsen	1,400 / MS	village/town	SBR	1993
Schleiz / Thüringen	1,000 / TS	village/town	SBR	1992
Schornweisach / Bayern	1,200 / MS	village/town	SBR	1989
Schönfeld / Sachsen	2,400 / MS	village/town	SBR	1996
Spitzkunnersdorf / Sachsen	1,000 / TS	village/town	SBR	1994
St. Gangloff / Thüringen	500 / MS	village/town	SBR	1994
Steinbach / Saarland	1,700 / MS	village/town	CF	1997
Steinberg-Deckenhardt / Saarland	1,000 / MS	village/town	SBR	2001



Bird-eyes view of the wastewater treatment plant being designed and realized by Biogest International GmbH for the Croatian town Koprivnica (100,000 p.e.) – operating according to the SBR-process (4 reactors).



Automatic coarse screen for mechanical pre-treatment of wastewater. Completely made of stainless steel in order to guarantee a long-life, no corrosion and proper operation.

Tettau / Sachsen	2,500 / MS	village/town	SBR	1994
Todtmoos-Au / Schwarzwald	900 / TS	village/town	SBR	2000
Turow / Mecklen.-Vorp.	500 / TS	village/town	SBR	1992
Weingarten / Baden-W.	60 / TS	recreation area	SBR	1991
Wellmitz / Brandenburg	1,500 / TS	village/town	SBR	1996
Wiesbaden / Hessen	150 / TS	restaurant	SBR	1984
Wiesenbach / Bayern	1,500 / MS	village/town	SBR	1989
Willershausen / Meckl.-Vorp.	1,400 / TS	village/town	SBR	1990
Wittlage / Niedersachsen	40,000 / MS	town	SBR	2008
Wonsees / Bayern	600 / MS	village/town	SBR	1992
Zudar / Meckl.-Vorp.	500 / TS	village/town	SBR	2001



Project code	Connection load (p.e.)	Kind of project	Process mode	Start-up year
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15. Greece

Ciba Geigy	750	factory	SBR	1986
Induplan	1,200	factory	CF	1988
New Marte	300	compound	CF	1986
Megalopolus	450	compound	CF	1985
Skramanga	350	compound	CF	1988

16. Hungary

Baykonibel	1,000	village	SBR	1991
Borzavar	1,000	village	SBR	1992
Budajenő	1,250	village	SBR	1992
Csömör	4,000	village	SBR	1990
Fertőrákos	3,150	village	SBR	1992
Hajduszoboszió	2,000	village	SBR	1993
Kiskunmajsa	2,500	village	SBR	1993
Kocsord	1,200	village	SBR	1992
Molnári	800	village	SBR	1994
Pilis	2,500	village	SBR	1990
Vesztő	2,000	village	SBR	1990



For a population of approx. 100,000 capita a Biogest-wastewater treatment plant is operating at the touristic area "Sunny Beach" (Bulgaria). By use of HyperClassic-aeration systems the 4-line SBR works for the highest satisfaction of the local authorities. The technical equipment was delivered by Biogest International GmbH, a skilled company for wastewater treatment equipment.

17. Indonesia

Djakarta 1	150	factory	SBR	1986
Djakarta 2	1,200	factory	SBR	1986

18. Ireland

Aughrim	1,400	village	SBR	2002
Carrig on Bannow	1,000	village	SBR	2005
Coolgreany	2,400	village	CF	2009
Derrinturn	2,400	village	SBR	2009
Galsway	450	village	CF	1989
Mexford	500	village	CF	1989
Sligo	150	village	CF	1991



Project code	Connection load (p.e.)	Kind of project	Process mode	Start-up year
19. Libya				
Dahra	500	compound	SBR	2009
Gialo	800	compound	SBR	2009
Waha	900	compound	SBR	2009
20. Macedonia				
Bitola	up to 1,000	tobacco factory	SBR	2009
Tetovo	2,000	university	SBR	2001
21. Malta				
Malta	20,000	waste treatment	SBR	2009



The maintenance-free BSK®-decanter is installed in plenty of SB-reactors with utmost success.



BSK®-surface aerator for a SBR-plant, operating in the Mexican town Celaya.

22. Mexico				
Aguascalientes Campestre	2,000	golf resort	SBR	1991
Aguascalientes Gilsa	5,000	dairy	SBR	1991
Aguascalientes Pulgas P.	2,000	golf resort	SBR	1991
Cedazo	21,500	town	SBR	1992
Los Gringos	21,500	town	SBR	1992
Queretaro Campestra	6,000	golf resort	SBR	1993
Quintana Playacar	6,050	hotel	SBR	1993
Toluca (Bosch)	2,000	factory	SBR	1993

23. Morocco				
Temasa	3,000	Active Carbon	AR	2000



Project code	Connection load (p.e.)	Kind of project	Process mode	Start-up year
24. Poland				
Bachorza	1,500	village	SBR	1990
Bialystok	6,000	village	SBR	1996
Bielsk	15,000	village	SBR	1996
Bocwinka	4,000	village	SBR	2009
Czerwony Bor	7,000	village	SBR	2008
Cyzew	12,000	village	SBR	2009
Fajslawice	900	village	SBR	1999
Garbas	1,900	village	SBR	1995
Gaski	2,500	village	SBR	1998
Goldap	40,000	village	SBR	2008
Hajnowka	3,000	village	SBR	1996
Hajnowka 02	3,000	village	SBR	2012
Hruszniew	1,500	village	SBR	1996
Josefow	550	village	SBR	1995
Juchnowiecz	1,500	village	SBR	2008
Kalinowo	6,000	village	SBR	1999
Kaweczyn	2,500	village	SBR	1999
Kiskowo	2,500	village	SBR	2000
Krzyz	25,000	village	SBR	2001



For the North China town „Huludao“ Biogest International GmbH delivered the technical equipment including HyperClassic-stirrers and BSK[®]-decanters. The connection load is up to 100,000 p.e.

Laszczow	1,700	village	SBR	2009
Lapy	8,000	village	SBR	2002
Lega	700	village	SBR	2001
Lenex	700	village	SBR	2000
Mikolajki	15,000	village	SBR	2006
Nowa Luka	12,000	village	SBR	1996
Olecko	15,200	village	SBR	2009
Olownik	6,000	village	SBR	1995
Pisanica	2,000	village	SBR	2008
Przerosl	1,400	village	SBR	1996
Przykona	2,000	village	SBR	1999
Przytul	2,000	village	SBR	2009
Szudialowo	1,800	village	SBR	1996
Turostowo	500	village	SBR	1999
Wysokie Mazowiecki	9,500	village	SBR	2015
Wladyslawow	2,000	village	SBR	2000



Project code	Connection load (p.e.)	Kind of project	Process mode	Start-up year
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25. Portugal

Armacao	1,000	hotel compound	SBR	1991
Auramar	500	hotel compound	SBR	1989
Azoren	1,000	slaughterhouse	SBR	1989
Ribeira Brava	20,000	small town	SBR	2005
Vila Vita	1,500	hotel compound	SBR	1990

26. Romania

Bistrita	1,000	slaughterhouse	SBR	2009
Liesti	27,005	town	CF	2015
Pechea	15,516	town	CF	2015

27. Ruanda

Kigali	600	hospital	SBR	1989
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Biogest-wastewater treatment plant of the Egyptian village „Amreya“ located next to Alexandria. The hydraulic load is approx. 5,000 - 6,000 m³/d, being treated by totally three (3) SB-Reactors. Aeration and mixing is performed by floating BSK[®]-Turbines Ø 2.50 m.



Since 1995 a wastewater treatment plant for a Mexican town (Aguascalientes) is operating based on the technology of *Biogest International GmbH* (floating surface aerators operating in totally five SB-reactors). The connection load is approx. 40,000 population equivalents.

28. Russia

Baikal	60,000	town	SBR	2008
Interstui	2,000	hotel compound	SBR	1984
Stupino	5,000	factory	SBR	2000
Svetogorsk	50,000	paper mill	SBR	2006

29. Serbia

Rumenka	7,200	village	SBR	2015
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30. Slovak Republic

Banska Bystrica	600	cement factory	SBR	1989
Sáfarikovo	13,200	industrial zone	SBR	1991



Project code	Connection load (p.e.)	Kind of project	Process mode	Start-up year
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31. South Korea

Kuri	250	housing compound	SBR	1999
Muju	10,000	town	SBR	2000

32. Switzerland

Arxhof	150	prison	SBR	1989
Bärenwil	60	village	SBR	1988
Büelen Lauerz	300	village	SBR	1988
Bürgenstock	800	hotel resort	SBR	1982
Cadro Panoramica	250	recreation park	SBR	1986
Chavannes	500	village	SBR	1990
Egnach	500	dairy	SBR	1990
Freihof Goldingen	125	restaurant	SBR	1991
Galluser Berneck	350	slaughterhouse	SBR	1990
Gerrapiano	150	hospital	SBR	1988
Gisikon	650	village	SBR	1989
Giubiasco	70	recreation centre	SBR	1990
Greppen	250	village	SBR	1991
Holzegg	150	hotel	SBR	1988
Irenella	100	holiday park	SBR	1989
Josefdörfli	100	holiday park	SBR	1988



Biogest wastewater treatment plant of project "Nessebar" (Bulgaria). Totally four SB-reactors are installed for the biological treatment of wastewater, originating from up to 100,000 p.e. Key elements are the innovative compact pre-treatment station, the HyperClassic-aeration system as well as the Simpdive centrifuge for sludge dewatering.

Kaisten	30,000	village	SBR	2004
Kaubad	100	holiday park	SBR	1987
Käsereifungs AG	600	cheese factory	SBR	1990
Konolfingen	530	dairy	SBR	1991
Melide	150	restaurant	SBR	1991
Mels	1,600	village	SBR	1992
Merlischachen	320	village	SBR	1995
Mifroma S. A.	800	cheese factory	SBR	1990
Mte. Generoso	210	hotel	SBR	1990
Mosen	500	camping site	SBR	1990
Mörlialp	450	holiday park	SBR	1989
Oberiberg	400	village	SBR	1990
Obersaxen	200	hotel	SBR	1989
Ottenleuenbad	380	holiday compound	SBR	1988



Project code	Connection load (p.e.)	Kind of project	Process mode	Start-up year
Plattenbödeli	75	restaurant	SBR	1988
Raten	250	hotel	SBR	1989
Rigi-Scheidegg	300	holiday compound	SBR	1991
Saleggi	550	village	SBR	1990
Schönbrunn	150	institute	SBR	1990
Sihlsee	150	camping site	SBR	1988
Stockenmatt	650	holiday park	SBR	1988
Sumpf	110	village	SBR	1988
Unterbach Trogen	135	holiday park	SBR	1984
Unteriberg	60	restaurant	SBR	1985
Uster	150,000	town	SBR	2009
Vira	60	holiday compound	SBR	1990
Witzwil	1,250	village	SBR	1989

33. Syria

Damaskus	40,000	yeast factory	SBR	1988
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34. United Arab Emirates (UAE)

Sharjah	100,000	town	SBR	2010
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Abbreviations

CF	= Continuous Flow Process
SBR	= Sequenced Batch Reactors
TS	= Separated Sewer System
AR	= Active Carbon Reactor



Biogest International GmbH

Berthold-Haupt-Str. 37

D - 01257 Dresden

Phone: +49 (0) 351 3 16 86 -0

Fax: +49 (0) 351 3 16 86 -86

E-Mail: info@biogest-international.de

Internet: www.biogest-international.de