Brief Company Profile

Short Reference Reports

1. Preliminary Remarks

It is the tradition and experience of more than 35 years, which are the basis of our companies' performances. The market of wastewater treatment plants and relevant equipment knows

Biogest International GmbH

as one of the typical designers of those WWTPs, which are applied for projects like small towns, villages, housing compounds for tourist areas, holiday parks etc. Beside those domestic applications, we are also providing our treatment systems for industrial customers like breweries, dairies, slaughterhouses and comparable facilities.

However, tradition and long-term experience does not mean, that the plant-concepts are not flexible regarding the application of innovative equipment and process developments.

Customised solutions, which meet the specific requirements of each project, are a typical profile of our plants. Based on the philosophy to provide our customers with reliable, high-quality products and economically operating equipment, we are proud to receive excellent feedbacks of satisfied customers. Thus, it keeps our ambition to find best solutions for all coming projects.

Beside the design of wastewater treatment plants, we are manufacturer of the famous **BSK®-Surface Aerators (turbines)** for oxygen input and mixing at an outstanding level. Moreover, we developed the successful **BSK®-Clearwater-Decanter** for SBR-applications. Both components are not only installed in our own treatment systems, but are also requested by the wastewater market.

At the beginning of 2002 we put a 2-stage SBR-wastewater treatment plant into operation, which was realised in the South Korean town Muju. Together with our local partner, we had been responsible for the turn-key project. The technical equipment was produced in the workshop of Biogest International GmbH.

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Since December 1992 the head office of **Biogest International GmbH** is located in the Eastern part of Germany (Dresden).

The combination of design-compartment, technical and commercial management, workshop for electrical control panels, stations for aftersales service and storage for spare parts, guarantees the necessary team-work, which is the basis for successful projects – assisted by branch offices near Munich (office South), Bulgaria and Croatia. Moreover, several sales offices are completing our team (Romania, China, Egypt, Nigeria, Emirates, Mexico, etc.). This worldwide network guarantees a proper after-sales-service as well as a direct contact to customers, consultants and authorities.

Company profile in short:

* ***more than 35 years experience***
* ***hundreds of realised WWTPs specialised for customised design***
* ***High quality, innovative equipment***
* ***manufacturer of famous BSK®-Surface Aerators***

SBR-WWTP of the German village Osterbrücken (750 p.e.)

2. Reference Plants in Germany and Abroad

Beginning with year 1975 we created, equipped or even realized as turnkey-jobs more than 500 wastewater treatment plants – located in Germany, Europe and world-wide. Our info-bulletin no. 001 contains some of the most important references. The following short descriptions of interesting wastewater treatment plants shall allow a brief view at some of our references:

Wastewater treatment plant of the CMC-project near Cairo

Beginning with this first challenging project, plenty of further treatment stations were realised:

- **WWTP for the large tannery in North Germany (Bentrup)**
  2-stage activated sludge process with nitrification and denitrification. Aeration performed by BSK®-surface aerators. connection load up to 10,000 p.e.

WWTP of the large tannery Bentrup (10,000 p.e.)

- **WWTP for the car factory Adam Opel AG (Rüsselsheim)**
  3 biological stages are operating in parallel for a connection load of 25,000 p.e.

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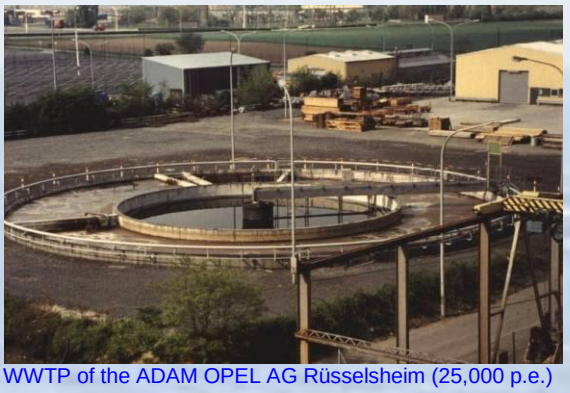
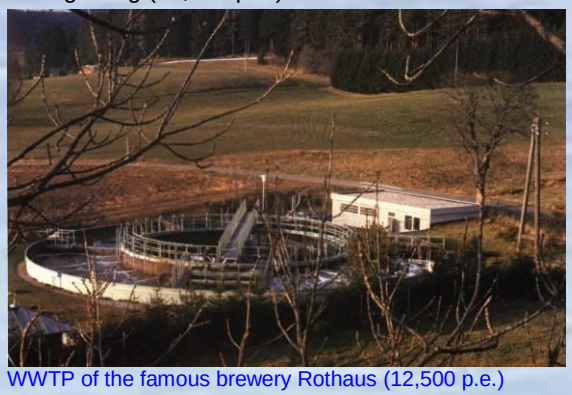


WWTP of the ADAM OPEL AG Rüsselsheim (25,000 p.e.)

- **WWTP of the famous brewery Rothaus AG (Black Forest)**

  2 stage process with separate sludge digesting (12,500 p.e.)



WWTP of the famous brewery Rothaus (12,500 p.e.)

- **Wastewater Treatment Plant for the Bavarian town Vilseck**

  2-street treatment system by use of the “Bio-sorption”-process (6,000 p.e.)

WWTP of the Bavarian town Vilseck (6,000 p.e.)

- **Two (2) tanneries in Bergisch-Born and Rivenich**

  extended aeration process with nitrification and denitrification. Connection loads 5,000 and 14,500 p.e.

- **WWTP of the Bavarian town Schornweisach**

  2-stage SBR-station (connection load 2,000 p.e.)
  Operation by floating BSK®-turbine

WWTP of the Bavarian town Schornweisach (2,000 p.e.)

- **WWTP of the Saxonian village Moritzburg**

  SBR-concept by use of a BSK®-Turbine with macerator (connection load 2,000 p.e.)

WWTP of the Saxonian village Moritzburg (2,000 p.e.)

- **WWTP of the Austrian village Münchendorf**

  3-stage SBR-treatment system (connection load 5,000 p.e.)

- **More than 5 SBR-plants near Dresden (Saxony)**

  connection loads between 500 and 3,000 p.e.

WWTP of the village Schönfeld near Dresden (2,200 p.e.)

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- **Four (4) WWTP's in the Mexican town Aguascalientes**
  multiple stage SBR-plants for different connection loads (3,000 up to 20,000 p.e.)
  all reactors are equipped with floating BSK® surface aerators

WWTP of the Mexican town Aguascalientes (20,000 p.e.)

- **Industrial WWTP for the BOSCH AG** in the Mexican town Toluca (2,000 p.e.) – SBR with floating BSK® turbine

WWTP for the BOSCH AG Toluca Mexico (2,000 p.e.)

- **Wastewater treatment plant for a 5-star hotel in Portugal**
  2-street SBR-process (1,500 p.e.) – duplicate SBR with floating BSK® turbines
- **WWTP for a military compound in the Algerian town Sakiet**
  SBR-treatment system with a floating BSK® macerating turbine

Wastewater treatment plant Sakiet (1,000 p.e.)

- **WWTP of the German town Dietersheim (Bavaria)**
  SBR-concept (MBR-aeration) 2,200 p.e.

WWTP of the German town Dietersheim (2,200 p.e.)

- **WWTP for the Czech town Kamenice**
  extended aeration process (5,000 p.e.)

WWTP of the Czech town Kamenice (5,000 p.e.)

- **WWTP for the Mexican town Celaya**
  2-street SBR-plant (10,000 p.e.) – equipped with two floating BSK® surface aerators
- **WWTP for the German village Tettau**
  2-street SBR-station (2,200 p.e.)

Wastewater treatment plant of village Tettau (2,200 p.e.)

- **WWTP for the German village Kemnath**
  extended aeration plant for 10,000 p.e.
- **WWTP for the housing compound Grafengehaig in Bavaria**
  indoor SBR-plant, connection load 350 p.e.

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► WWTP for the German village Guttau

SBR-treatment plant system with MBR-aeration concept (4,500 p.e.)

SBR-WWTP of the German village Guttau (4,500 p.e.)

► Industrial WWTP for the Russian yoghurt factory **located in Stupino next to Moscow**

connection load 10,000 p.e. – two SB-reactors operating with HyperClassic-aerators

► WWTP for SEE-University

in the town Tetovo (Macedonia)

Wastewater treatment plant of the SEE-University in Tetovo (Macedonia) - 2,000 p.e.

► Two (2) WWTP's operating in Egypt (Cairo and Alexandria)

3-street SBR-treatment concept with sludge dewatering systems – connection loads up to 50,000 p.e., operating with floating BSK® turbines

WWTP of the village Amreya near Cairo (50,000 p.e.)

► WWTP for the Industrial Zone "5th of November" near Cairo (Egypt)

2-street SBR-treatment system for a connection load of 30,000 p.e. – equipped with two floating BSK® surface aerators

Industrial wastewater treatment plant of the CMC-project near Cairo. 2-street SBR-WWTP with floating Turbine.

► 7 WWTP's in the German province Saarland

connection loads between 300-2,000 p.e. Conventional continuous flow type as well as SBR-treatment systems.

► WWTP of the Saxonian village Ostrau

2-street SBR-wastewater treatment plant connection load 2,400 p.e.

SBR-WWTP of the Saxonian village Ostrau (2,400 p.e.)

► WWTP of the famous village Hirschsprung (winter sport region)

completely indoor SBR-treatment system (2 stages) connection load 1,600 p.e.

SBR-WWTP of village Hirschsprung (1,600 p.e.)

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► **WWTP for village Niederlinxweiler (Saarland)**
continuous flow process for 4,500 p.e.

WWTP of village Niederlinxweiler (4,500 p.e.)

► **WWTP for village Gersheim (Saarland)**
continuous flow process for 4,500 p.e.

Wastewater treatment plant of village Gersheim (4,500 p.e.)

► **WWTP for Bulgarian tourist zone "Sunny Beach"**
population load up to 65,000 p.e., operating with HyperClassic-aeration systems

Wastewater treatment plant (SBR) of the Bulgarian tourist zone "Sunny Beach" (65,000 p.e.)

► **WWTP for the Chinese town Huludao**
4 SB-reactors operating for a connection load of up to 100,000 p.e.

Wastewater treatment plant of the Chinese town Huludao (100,000 p.e.)

► **WWTP for the Bulgarian town Beloslav**
2 SB-reactors with HyperClassic-aerators

SBR-WWTP of the Bulgarian town Beloslav
Connection load: 12,000 p.e.

► **SBR-WWTP for the Croatian village Molve**
population load up to 1,700 p.e., operating with HyperClassic-aeration systems

► **SBR-WWTP for the Croatian village Kalinovac**
population load up to 1,500 p.e., operating with HyperClassic-aeration systems

► **SBR-WWTP for the Croatian village Virje**
population load up to 5,000 p.e., operating with HyperClassic-aeration systems

Wastewater treatment plant (SBR) of the Croatian village Virje (5,000 p.e.)

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► **WWTP for the Croatian town Koprivnica**
4 SB-reactors operating for a connection load of 100,000 p.e.

SBR-WWTP of the Croatian town Koprivnica (100,000 p.e.)

SBR-WWTP of the Croatian town Koprivnica (100,000 p.e.)

► **WWTP for the Bulgarian town Hisarya**
28,000 p.e. – operating with 3 SB-reactors

SBR-WWTP of the Bulgarian town Hisarya (28,000 p.e.)

SBR-WWTP of the Bulgarian town Hisarya (28,000 p.e.)

3. Further Information about Our Wastewater Treatment Plants

The aforementioned specified reference-plants are only an extract of more than 500 stations, which we realized until now. We are of course pleased to provide more details, history cases and effluent analyses. Moreover, we would be happy to visit one of our reference plants together with interested customers.

» Please let us know your requirements.

Wastewater treatment plant (SBR) of the German village Großbothen (1,500 p.e.)

Wastewater treatment plant (SBR) of the German village Göttern (600 p.e.)

Wastewater treatment plant (SBR) for the Camp Warehouse of the ISAF in Kabul, Afghanistan (3,000 p.e.)

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BSK®-Turbine for the SBR-WWTP of the Egyptian town Amreya near Cairo (50,000 p.e.)

Wastewater treatment plant (SBR) of the German village Großheringen (4,980 p.e.)

SBR-WWTP of the Irish village Carrick on Bannow (1,000 p.e.)

WWTP of the German village Steinberg-Deckenhardt (1,000 p.e.)

SBR-WWTP of the Irish village Derrinturn (2,400 p.e.)

SBR-WWTP for the Croatian village Durdevac (15,000 p.e.)

SBR-WWTP in Libya

SBR-WWTP for the Polish village Krzyz (7,000 p.e.)

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SBR-WWTP for the Bulgarian town Gabrovo (100,000 p.e.)

SBR-WWTP for the Swiss town Flims (35,000 p.e.)

SBR-WWTP for the Bulgarian town Kardzhali (70,000 p.e.)

SBR-WWTP for the Mexican town Morelos (15,000 p.e.)

SBR-WWTP for the German town Körkwitz (40,000 p.e.)

SBR-WWTP for a Papermill in France (30,000 p.e.)

SBR-WWTP for the Bulgarian town Kozlodui (20,000 p.e.)

SBR-WWTP for the Bulgarian town Provadia (15,000 p.e.)

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SBR-WWTP for the Serbian village Rumenka (8,000 p.e.)

SBR-WWTP for the Bulgarian town Svilengrad (25,000 p.e.)

SBR-WWTP for the Serbian village Stepanovicevo (2,000 p.e.)

WWTP of the Romanian village Liesti (30,000 p.e.)

SBR-WWTP for a sugar factory in Hungary (40,000 p.e.)

WWTP of the Romanian village Pechea (16,000 p.e.)

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