



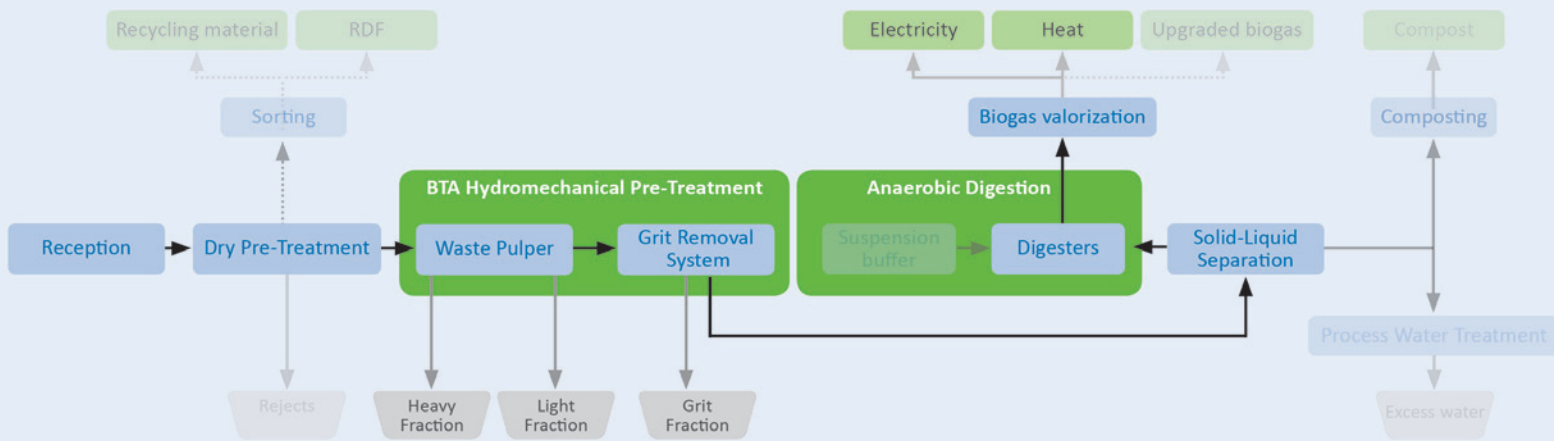
## BADEN-BADEN - Germany



### Selected BTA References

- Final Client:**
- City of Baden-Baden
- Type of Waste:**
- Biowaste
  - Sewage Sludge
- Capacity:**
- Approx. 85.000 tons/year sewage sludge into digester
  - 5.000 tons/year into hydromechanical pre-treatment
- Start-up:**
- 1993
- Plant sections:**
- Waste reception
  - Mechanical pre-treatment (screw mill)
  - BTA® Hydromechanical Pre-treatment
  - Solid-liquid separation





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### Description

Baden-Baden, one of the first BTA plants, is successfully working since almost **20 years** now, still with the **original equipment** in operation.

Operation is characterized by a **high availability** during all the years, among others due to the very robust equipment and the efficient separation of the impurities.

In a first step, the biowaste is fed by front loader into a screw mill, where the waste bags are ripped open and the waste is roughly chopped before its feeding into the **BTA® Waste Pulper** for the removal of the light and heavy fraction and the **BTA® Grit Removal System** for the elimination of the grit fraction.

The cleaned pulp is pumped into a solid-liquid separation. The produced solids are transferred by a conveyor belt into a container to transport it to a nearby composting plant where it is mixed with green waste for the production of **high quality compost**.

The liquid phase is fed into the two digestion tanks of the sewage plant, where it is **co-digested together with sewage sludge**. The dissolved organic material is completely converted into biogas and does not increase the sludge quantity. So the original biogas production of the sewage plant has been considerably increased.