

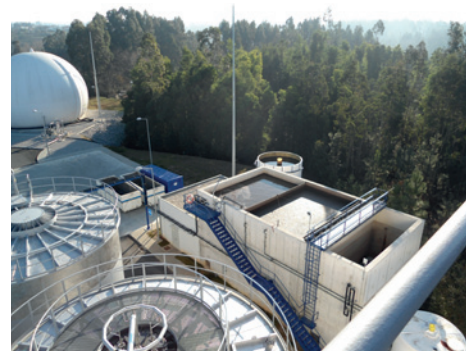


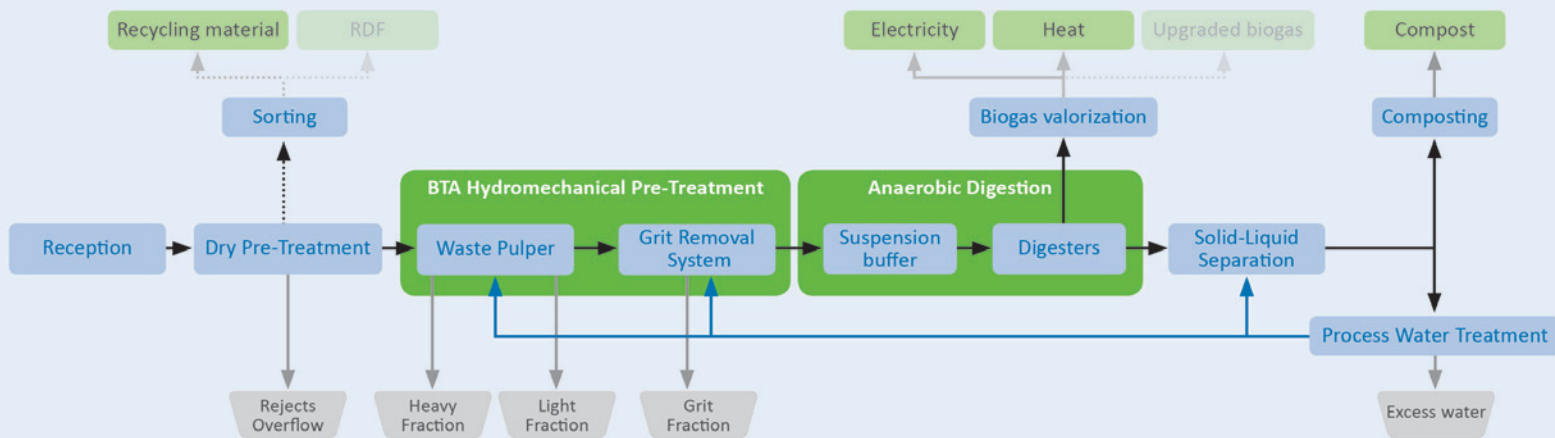
## SULDOURO - Portugal



### Selected BTA References

- Final Client:**
- SULDOURO – Valorização e Tratamento de Resíduos Sólidos Urbanos, S.A.
- Consortial Partners from BTA:**
- EFACEC Engenharia, S.A.
  - EFACEC Ambiente, S.A.
  - MONTEADRIANO – Engenharia e Construção
- Type of Waste:**
- Municipal Solid Waste
- Capacity:**
- 43.000 tons/year input to the plant
  - 30.000 tons/year into hydromechanical pre-treatment
- Start up:**
- 2011
- Plant sections:**
- Waste reception
  - Mechanical pre-treatment and sorting
  - BTA® Hydromechanical Pre-treatment
  - One-stage wet anaerobic digestion
  - Solid-liquid separation
  - Composting of dewatered digestate
  - Internal process water management
  - Effluent treatment plant





## SULDOURO - Portugal

### Description

SULDOURO is the **second MBT plant** that the Consortium „EFACEC, Monte Adriano and BTA” successfully implemented in **Portugal**. Similar to VALORLIS, again BTA International acted as **technology provider** and responsible partner for the main processes within the MBT Plant, delivering the **key components** as well as the **control system** that steers the overall installation. Furthermore, BTA supplied **engineering services** including the process engineering, procurement and installation supervision and start-up assistance and supervision.

The main processes in this plant include the mechanical pre-treatment, sorting of recyclable material from the fraction > 80 mm, the treatment of the fraction < 80 mm with the **BTA® Hydromechanical Pre-treatment**, the processing of the cleaned organic suspension in a mesophilic **wet anaerobic digestion**, the dewatering of the digestate, a **two stage-composting** with forced aeration for sanitation and stabilization of the dewatered digestate, an **internal process water management** and the **treatment of the remaining effluent**.