



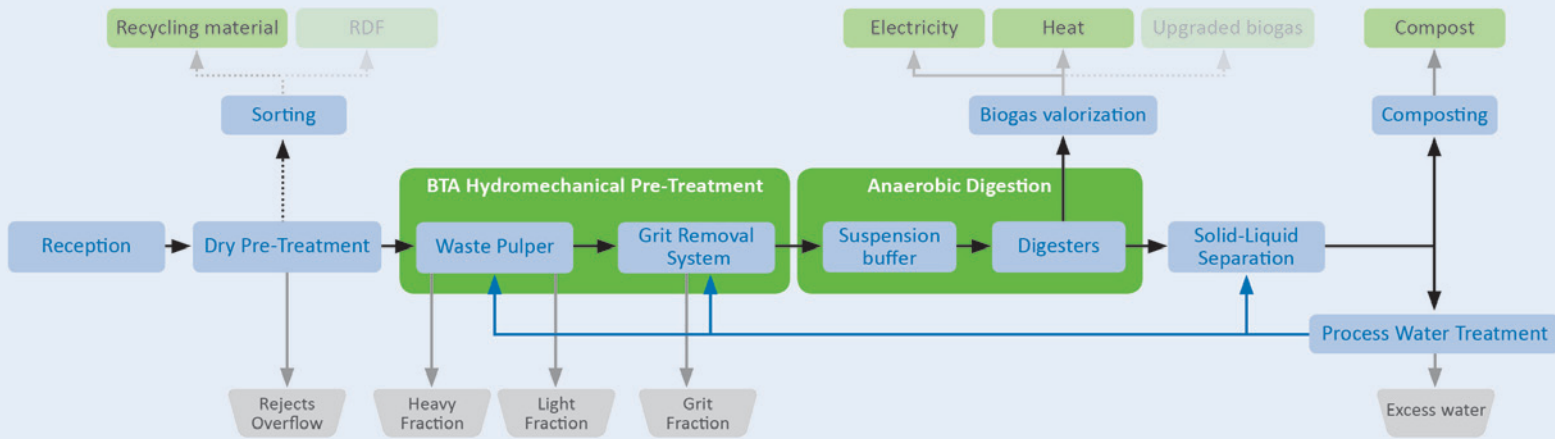
BURGOS - Spain



Selected BTA References

- Final Client:**
- CESPA Gestión de Residuos S.A.U.
- Partners:**
- Biotec Sistemi S.r.l.
- Type of Waste:**
- Municipal Solid Waste (mechanically pre-treated < 90 mm)
- Capacity:**
- 25.000 tons/year into hydromechanical pre-treatment
- Start up:**
- 2011 start-up after refurbishment
- Plant sections (refurbished by BTA):**
- BTA® Hydromechanical Pre-treatment
 - Internal process water management
 - Control system for methanization line





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Description

For a reliable operation of the methanization process from AD Plants for SSO, FORM or MSW, it is essential to efficiently remove the impurities before the anaerobic digestion step. Correctly done, the wet pre-treatment is the most effective way.

A **much higher content of impurities in the waste than specified** was a central reason why the Methanisation Plant in Burgos was never started-up. Consequently CESPA, which also operates wet anaerobic digestion plants for FORM or MSW based on other technologies, chose BTA International as partner for the **turn-key refurbishment of the Methanization line of Ecomarque Burgos**.

In this frame, the existing wet pre-treatment was substituted by the **BTA® Hydromechanical Pre-treatment**, in this case composed by one BTA® Waste Pulper with the new Light Fraction Removal System (LRS Screw) and two BTA® Grit Removal Systems. The efficient removal of the impurities finally allowed a **start-up in 2011**.

After the Methanization Plant in Ecomarque 1 in Barcelona, the wet pre-treatment and anaerobic digestion line from Ecomarque Burgos is the second plant in Spain which has been successfully refurbished by BTA International. These examples highlight the **unique flexibility, robustness and efficiency of the BTA® Hydromechanical Pre-treatment**.