

Speaks for itself – plant expansions!

Many thanks to our customers for the repeated trust in BTA's waste treatment technology & know-how

Expansion of Methanization Plant Granollers – Relocation of pre-treatment completed

A key milestone in one of our most challenging projects had been achieved by the end of 2024: the completion of the dismantling, relocation, overhaul, modification and expansion of the wet pre-treatment step at the Methanization Plant Granollers (Spain).

Started up originally back in 2010, the AD Granollers has since then successfully processed more than 500.000 ton biowaste ("FORM") before in 2023 the very ambitious extension project was initiated to extend plant capacity from 45.000 to 80.000 ton per year, and finally in a Phase 2 to 100.000 ton per year.

BTA International did win the contract for the extension works related to the wet pre-treatment, the anaerobic digestion, the dewatering, the partial stream sanitation and the internal process water management for the Phase 1.

New for us – the existing pre-treatment step had to be dismantled and relocated to the new place, refurbished and modified and extended by one new additional BTA Pulper plus GRS. Thanks to the quality and longevity of the BTA equipment, it was possible to keep on using the two original BTA Pulpers as well as the two existing GRS systems, just modifying and reinforcing them for the new biowaste amounts. This is how we understand sustainability should work!

As soon as civil construction works completion allows for it, we will start with the remaining extension works of the further process steps.

The contract award for the integration of the new 5th digester by BTA within Phase 2 is expected in the second quarter this year.



The 3x BTA Waste Pulpers as installed during the extension works in Granollers

Further extension works successfully accomplished

In 2023/2024 BTA achieved further remarkable milestones by extending the MBT Valorlis (Portugal / 2010) with one additional biowaste line and enhancing the wet pre-treatment line of the Co-Digestion Plant in Castelleone (Italy / 2011).

In Canada, the City of Toronto, owner of the AD Plant Toronto Disco Road, has decided to expand the facilities treatment capacity from now 75.000 ton per year to 125.000 ton per year SSO (Source Separated Organics). TDR, started up in 2023, is based on the BTA® Process for the SSO pre-treatment and its wet AD. Engineering works for the planned expansion are expected to be initiated already within the 1st half of 2025.



3rd BTA pre-treatment line in Valorlis



BTA Pre-Treatment installed in Essonne

Greater Paris area focusses on mixed waste streams

While in Germany the concept of many plants is limited to one type of waste only, the Greater Paris area focuses on processing various and sometimes very different waste input streams in order to be able to noticeably increase the share of the biodegradable fraction, that can be valorized within the AD.

Two most recent facilities exemplifying this approach are the AD Plant Essonne in the south of the french capital, and the AD Gennevilliers in the city of Paris itself. The BTA Process had been chosen for these two new wet AD plants for it's flexibility to process biowaste, commercial waste and food waste while meeting the new stringent regulations regarding digestate quality in France. While at Gennevilliers civil construction works have just started, in Essonne the hot commissioning and ramp up is almost accomplished.

Compact now also in Italy!

Right at the end of 2024, BTA had been selected by the Italian company SECIT as the technology provider for the design, installation, commissioning and start-up of the wet Anaerobic Digestion Plant Olbia (Sardinia / Italy).

Olbia will be BTA's 2nd plant on Sardinia, after Villacidro, built already back in 2002. Olbia will be treating about 25.000 ton per year of biowaste ("FORSU" and commercial waste), plus approx. additional 5.000 ton per year of slaughterhouse residues and another around 8.000 ton per year of liquid waste, fats and agricultural residues.

Two BTA[®] Compact Series, each composed of the BTA Waste Pulper Compact and the BTA GRS Compact, are foreseen to treat the FORSU and commercial waste fraction. The integration of the Compact Series will allow SECIT to meet the very limited space available on site and at the same time the challenging project time schedule and tight budget. BTA will sign within the project furthermore responsible for the wet anaerobic digestion step and the dewatering and internal process water management, as this plant will be designed according to the BTA[®] Process.

Olbia continues BTAs project sequence and presence in Italy, as in this first half of 2025 we expect to get the final approval to commence start-up of the Biogas Plant in Gello di Pontedera with a treatment capacity of 44.000 ton per year of FORSU.

Small but Mighty!

The first BTA Compact Series, installed in Occitanie (France), has proven to be a more powerful system for waste pre-treatment than our client expected. The higher throughput consistently achieved and especially the flexibility to accept also difficult to treat waste input materials, e.g. containing high amounts of glass (rejected by most other so called "depacking" technologies) plus a very high capture rate for paper and cardboard, which will be not rejected but defibered within the BTA Waste Pulper, reducing the amount of rejects to be disposed of quite noticeably. This has confirmed our client's selection of the BTA Compact Series as the right instrument to improve the economic performance of the plant in comparison to the previously used depacking equipment.



BTA Compact Series Occitanie