

## 1. Plants currently under construction

<b>Olbia (Italy) 2<sup>nd</sup> BTA® Compact Series</b>	<b>Start-up</b>	Q4/ 2026
	<b>Type of Waste</b>	Biowaste (FORSU), liquid waste, content of solids separator, slaughterhouse waste
	<b>Capacity</b>	38.000 tons/year
	<b>Delivery</b>	Process engineering BTA® Process including wet-mechanical processing, digestion, dewatering and internal process water management, supply of 2x Compact Series (Pulper Compact & GRS Compact) as well as key components for digestion and internal process water manage- ment, SCADA programming and visualisation Supervision and support during the installation and commissioning phases, Training of operating personnel
<b>Granollers Extension (Spain)</b>	<b>Start-up</b>	Q4/ 2025
	<b>Type of Waste</b>	Biowaste (FORM)
	<b>Capacity</b>	Extension from 45.000 tons/year to 80.000 ton/year (Phase 1)
	<b>Delivery</b>	Extension of wet mechanical pre-treatment, an- aerobic digestion, sanitation, dewatering and in- ternal process water management Process and detail engineering, equipment modifi- cation and installation works, planning and sup- port of the commissioning and start-up Supply of electromechanical equipment, steel and piping works Control Unit for above mentioned process steps commissioning and start-up

<b>Gennevilliers (France)</b>	<b>Start-up</b>	Q2/ 2026
	<b>Type of Waste</b>	Biowaste, commercial waste, food waste
	<b>Capacity</b>	50.000 tons/year
	<b>Delivery</b>	Process engineering BTA® Process, construction supervision, planning and support of the commissioning and start-up Supply of key components of BTA® Hydromechanical Pre-treatment, Sanitation and anaerobic digestion step, dewatering and process water management Control Unit for overall Methanisation unit
<b>Essonne (France)</b>	<b>Start-up</b>	Q1/ 2025
	<b>Type of Waste</b>	Biowaste, commercial waste, food waste
	<b>Capacity</b>	35.000 tons/year
	<b>Delivery</b>	Process engineering BTA® Process, construction supervision, planning and support of the commissioning and start-up Supply of key components of BTA® Hydromechanical Pre-treatment, Sanitation and anaerobic digestion step as well as piping SCADA Programming and visualisation. Operation and maintenance support
<b>Gello di Pontedera (Italy)</b>	<b>Start-up</b>	Q1/ 2025
	<b>Type of Waste</b>	Biowaste (FORSU)
	<b>Capacity</b>	44.000 tons/year
	<b>Delivery</b>	Process engineering BTA® Process, construction supervision, planning and support of the commissioning and start-up

### 2. Plants designed according to the BTA® Process

The following plants have been designed according to the overall BTA® Process incl. digestion. BTA provided general engineering services, key components and construction / start-up assistance:

<b>Valorlis Extension (Portugal)</b>	<b>Start-up</b>	2023
	<b>Type of Waste</b>	Biowaste
	<b>Capacity</b>	Additional treatment line for 25.000 tons/year
<b>Lohja (Finland)</b>	<b>Start-up</b>	2021
	<b>Type of Waste</b>	Sewage sludge, biowaste, packaged organic commercial waste, food waste, forest industry sludge, grease sludge
	<b>Capacity</b>	60.000 tons/year
<b>Topinoja (Finland)</b>	<b>Start-up</b>	2020
	<b>Type of Waste</b>	Sewage sludge, biowaste, commercial waste
	<b>Capacity</b>	35.000 tons/year
<b>Varenes (Canada)</b>	<b>Start-up</b>	2018
	<b>Type of Waste</b>	Source Separated Organics, commercial waste, grass ciplings, septage
	<b>Capacity</b>	51.000 tons/year
<b>Northern Malta (Malta)</b>	<b>Start-up</b>	2016
	<b>Type of Waste</b>	Municipal Solid Waste, bulky waste, manure and poultry dung
	<b>Capacity</b>	up to 162.000 tons/year
<b>Zell am See (Austria)</b>	<b>Start-up</b>	2013
	<b>Type of Waste</b>	Biowaste, food waste, commercial waste, sewage sludge
	<b>Capacity</b>	18.000 tons/year

<b>Gijón (Spain)</b>	<b>Start-up</b>	2013
	<b>Type of Waste</b>	Biowaste (FORM) and/or sewage sludge
	<b>Capacity</b>	25.000 tons/year
<b>Toronto Disco Road (Canada)</b>	<b>Start-up</b>	2013
	<b>Type of Waste</b>	Biowaste, food waste, commercial waste, sewage sludge
	<b>Capacity</b>	75.000 tons/year
<b>Maresme (Spain)</b>	<b>Start-up</b>	2013
	<b>Type of Waste</b>	Pre-treated Municipal Solid Waste
	<b>Capacity</b>	190.000 tons/year total input; 35.000 tons/year in wet pre-treatment
<b>Toronto Dufferin (Canada)</b>	<b>Start-up</b>	2012
	<b>Type of Waste</b>	Source Separated Organics (SSO)
	<b>Comment</b>	Delivery and installation of one complete additional digester (5.300 m <sup>3</sup> ) incl. extension of the existing plant control unit (works executed in the frame of an upgrading of the existing Toronto Dufferin Organics Processing Facility).
<b>Bredbury Parkway (UK)</b>	<b>Start-up</b>	2011
	<b>Type of Waste</b>	Municipal Solid Waste
	<b>Capacity</b>	110.000 tons/year total input; 86.000 tons/year in wet pre-treatment
<b>Suldouro (Portugal)</b>	<b>Start-up</b>	2011
	<b>Type of Waste</b>	Municipal Solid Waste
	<b>Capacity</b>	43.000 tons/year total input; 27.000 tons/year in wet pre-treatment

Reliance Street (UK)	Start-up	2010
	Type of Waste	Municipal Solid Waste
	Capacity	100.000 tons/year total input; 63.000 tons/year in wet pre-treatment
Valorlis (Portugal)	Start-up	2010
	Type of Waste	Municipal Solid Waste
	Capacity	50.000 tons/year total input; 30.000 tons/year in wet pre-treatment
Castelleone (Italy)	Start-up	2010
	Type of Waste	Biowaste, commercial waste, maize silage, pig and cow manure
	Capacity	100.000 tons/year total input; 26.000 tons/year in wet pre-treatment
Granollers (Spain)	Start-up	2010
	Type of Waste	Biowaste (FORM)
	Capacity	45.000 tons/year
Mülheim (Germany)	Start-up	2003
	Type of Waste	Biowaste, commercial waste
	Capacity	22.000 tons/year
Ieper (Belgium)	Start-up	2003
	Type of Waste	Biowaste, commercial waste
	Capacity	50.000 tons/year
Ko-Sung (Korea)	Start-up	2003
	Type of Waste	Biowaste, commercial waste
	Capacity	3.000 tons/year

Toronto (Canada)	Start-up	2002
	Type of Waste	Biowaste, commercial waste
	Capacity	25.000 tons/year
Villacidro (Italy)	Start-up	2002
	Type of Waste	Municipal Solid Waste incl. sewage sludge
	Capacity	45.000 tons/year
Mertingen (Germany)	Start-up	2001
	Type of Waste	Commercial waste
	Capacity	12.000 tons/year
Newmarket (Canada)	Start-up	2000
	Type of Waste	Biowaste, commercial waste and organic sludge
	Capacity	150.000 tons/year
Wadern-Lockweiler (Germany)	Start-up	1998
	Type of Waste	Biowaste, commercial waste
	Capacity	20.000 tons/year
Kirchstockach (Germany)	Start-up	1997
	Type of Waste	Biowaste
	Capacity	20.000 tons/year
Erkheim (Germany)	Start-up	1997
	Type of Waste	Biowaste, commercial waste
	Capacity	11.500 tons/year
Karlsruhe (Germany)	Start-up	1996
	Type of Waste	Biowaste
	Capacity	8.000 tons/year

Dietrichsdorf (Germany)	<b>Start-up</b>	1995
	<b>Type of Waste</b>	Biowaste, commercial waste, food waste
	<b>Capacity</b>	17.000 tons/year
Helsingør (Denmark)	<b>Start-up</b>	1991
	<b>Type of Waste</b>	Biowaste
	<b>Capacity</b>	20.000 tons/year

### 3. Plants provided with BTA® Hydromechanical Pre-treatment or parts thereof

For the following plants BTA provided general engineering services, key components and construction/start-up assistance, mainly for the BTA pre-treatment:

Occitanie (France) <b>1<sup>st</sup> BTA® Compact Series</b>	<b>Start-up</b>	2024
	<b>Type of Waste</b>	Biowaste, commercial waste, food waste)
	<b>Capacity</b>	8.000 to 10.000 tons/year
Castelleone Extension (Italy)	<b>Start-up</b>	2023
	<b>Type of Waste</b>	Biowaste (FORM)
	<b>Capacity</b>	Extension from 25.000 to 60.000 tons/year (pre-treatment and sanitation)
Glasgow (Scotland)	<b>Start-up</b>	2017
	<b>Type of Waste</b>	Pre-treated Municipal Solid Waste (< 80 mm)
	<b>Capacity</b>	200.000 ton/year input to the plant 90.000 tons/year input wet pre-treatment
Burgos (Spain)	<b>Start-up</b>	2011
	<b>Type of Waste</b>	Pre-treated Municipal Solid Waste (< 90 mm)
	<b>Capacity</b>	25.000 tons/year input wet pre-treatment
	<b>Comment</b>	Refurbishment of existing Methanization Plant from Ecoparque Burgos including replacement of existing wet pre-treatment and supply of BTA Control System for the complete methanization line

<b>Itzig (Luxembourg)</b>	<b>Start-up</b>	2011
	<b>Type of Waste</b>	Biowaste, food waste
	<b>Capacity</b>	15.000 tons/year
<b>Leoben (Austria)</b>	<b>Start-up</b>	2009
	<b>Type of Waste</b>	Biowaste, kitchen waste, commercial waste
	<b>Capacity</b>	18.000 tons/year
<b>Barcelona / Ecoparc I (Spain)</b>	<b>Start-up</b>	2009
	<b>Type of Waste</b>	Biowaste, Municipal Solid Waste
	<b>Capacity</b>	245.000 tons/year total input; 50.000 tons/year in wet pre-treatment
	<b>Comment</b>	Refurbishment of existing plant including replacement of existing pre-treatment and gas mixing system in one of the digesters
<b>Komoro (Japan)</b>	<b>Start-up</b>	2005
	<b>Type of Waste</b>	Food waste
	<b>Capacity</b>	8.000 tons/year
<b>Herrieden (Germany)</b>	<b>Start-up</b>	2003
	<b>Type of Waste</b>	Biowaste, commercial waste
	<b>Capacity</b>	13.000 tons/year in wet pre-treatment
<b>Parramatta (Australia)</b>	<b>Start-up</b>	2003
	<b>Type of Waste</b>	Commercial waste, organic sludges
	<b>Capacity</b>	35.000 tons/year
<b>Nara City (Japan)</b>	<b>Start-up</b>	2003
	<b>Type of Waste</b>	Food waste
	<b>Capacity</b>	1.500 tons/year



Verona (Italy)	Start-up	2002
	Type of Waste	Municipal Solid Waste
	Capacity	150.000 tons/year total input; 70.000 tons/year in wet pre-treatment
Pulawy (Poland)	Start-up	2001
	Type of Waste	Municipal Solid Waste
	Capacity	22.000 tons/year in wet pre-treatment
Kushima City (Japan)	Start-up	2001
	Type of Waste	Commercial waste
	Capacity	about 1.000 tons/year
Münster (Germany)	Start-up	1997
	Type of Waste	Biowaste
	Capacity	20.000 tons/year
Wels (Austria)	Start-up	1997
	Type of Waste	Commercial waste, biowaste
	Capacity	15.000 tons/year
Schwabach (Germany)	Start-up	1996
	Type of Waste	Biowaste
	Capacity	12.000 tons/year
Baden-Baden (Germany)	Start-up	1993
	Type of Waste	Biowaste
	Capacity	5.000 tons/year
Kaufbeuren (Germany)	Start-up	1992
	Type of Waste	Biowaste
	Capacity	2.500 tons/year

### 4. Agricultural Biogas Plants

The following agricultural plants have been designed according to BTA technology. BTA provided general engineering services and key components. The plants marked with \*) were built by BTA on a turn-key basis:

<b>Montanera (Italy)</b>	<b>Start-up</b>	2009
	<b>Type of Waste</b>	Slurry, maize silage, cow dung
	<b>Capacity</b>	29.000 tons/year
<b>Chiusa Pesio (Italy)</b>	<b>Start-up</b>	2008
	<b>Type of Waste</b>	Cow manure and energy crops
	<b>Capacity</b>	625 kW
<b>Stockerau* (Austria)</b>	<b>Start-up</b>	2007
	<b>Type of Waste</b>	Maize silage
	<b>Capacity</b>	500 kW
<b>Raab* (Austria)</b>	<b>Start-up</b>	2007
	<b>Type of Waste</b>	Maize silage
	<b>Capacity</b>	500 kW
<b>Seckach* (Germany)</b>	<b>Start-up</b>	2006
	<b>Type of Waste</b>	Maize silage
	<b>Capacity</b>	500 kW
<b>Parndorf* (Austria)</b>	<b>Start-up</b>	2006
	<b>Type of Waste</b>	Maize silage
	<b>Capacity</b>	500 kW
<b>Echsenbach * (Austria)</b>	<b>Start-up</b>	2005
	<b>Type of Waste</b>	Maize silage
	<b>Capacity</b>	500 kW

Karlshof / Stadt München* (Germany)	<b>Start-up</b>	2000
	<b>Type of Waste</b>	Manure and maize silage
	<b>Capacity</b>	130 kW

### 5. Pilot Plants

Tochigi (Japan)	<b>Start-up</b>	1997 - 1998
	<b>Delivery</b>	Pilot plant
Garching (Germany)	<b>Start-up</b>	1986 - 1995
	<b>Delivery</b>	Construction and operation of pilot plant Garching. Continuous tests and research project to optimize the BTA <sup>®</sup> Process and prove its suitability for the organic fraction of different waste types from municipal, commercial and agricultural sources.