



BTS

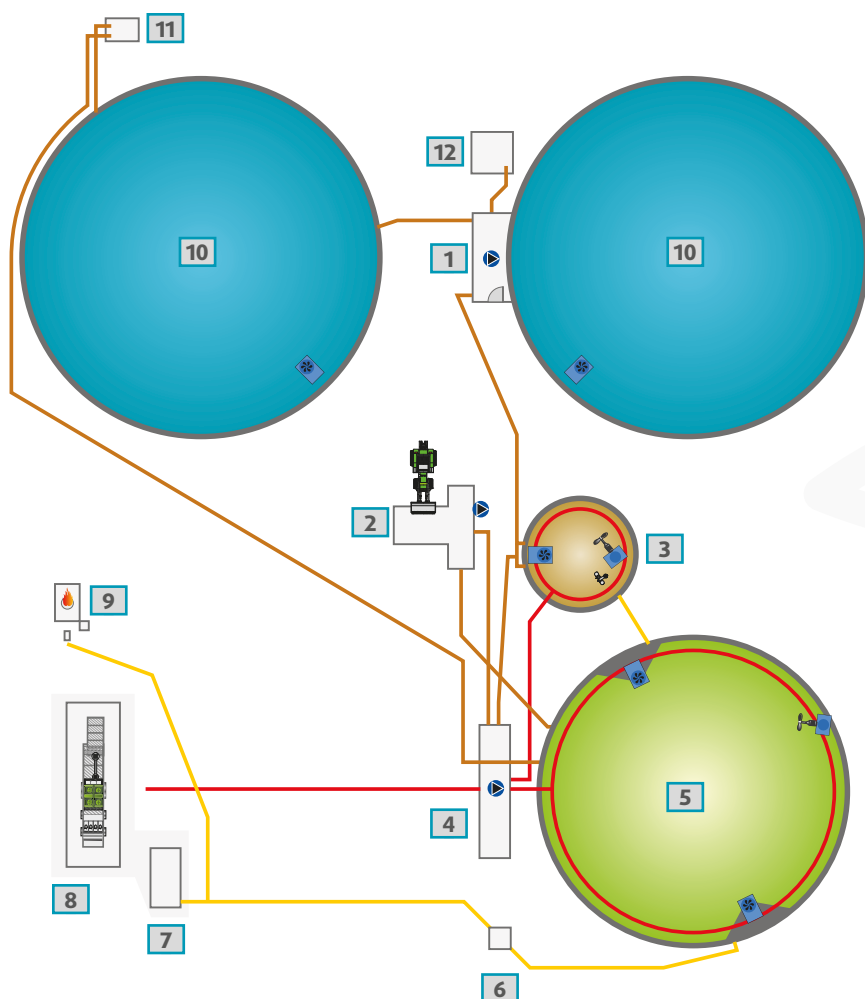


Biogas Plant AGROENERGY

Installed Capacity: 500 kW_{el}



Feedstock: 100% olive residual



ELECTRICAL POWER: 500 kW

THERMAL POWER: 521 kW

ENERGY PRODUCTION

Gross Electrical Energy

daily: Approx. 12,2 MWh

yearly: Approx. 4,5 GWh

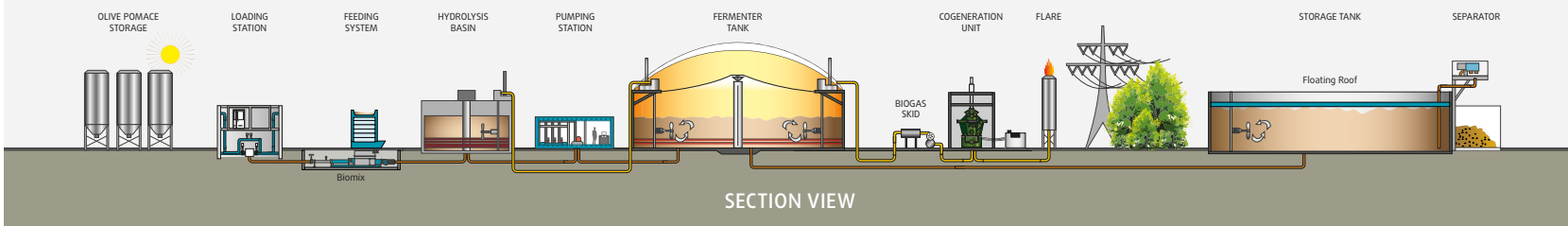
Gross Thermal Energy

daily: Approx. 12,5 MWh

yearly: Approx. 4,6 GWh

The Plant can produce electricity for approximately 1.400 Homes and heat for approximately 350 Homes.

- 1 Loading Station
- 2 Feeding System
- 3 Hydrolysis Tank
- 4 Pumping Station
- 5 Fermenter
- 6 Condense Pit
- 7 Biogas Skid
- 8 Cogeneration Engine
- 9 Flare
- 10 Storage Tanks
- 11 Separator
- 12 Gravity Digestate Drain Well
- 13 Service Platform
- 14 Pumps
- 15 Biogas Pipes
- 16 Digestate Pipes
- 17 Hot Water Pipes



AGROLIO

The Agresti Family is involved in the production of top-quality extra virgin oil from CORATINA olives since more than three generations obtaining the best result with a passionate work and continuous researches in the harvesting and pressing treatment of the olives.

The transformation of the olives pomace into biogas through anaerobic process is a big contribution towards a circular green economy.

Biogas Plant Pitted Olive Pomace

The Plant is operated using as feedstock only Olive Pomace previously stored in Stainless Steel Silos.

The Plant efficiency is guaranteed by a continuous biological assistance done by remote.

The process is mesophilic (35° – 48°C) with a preliminary digestive phase in a hydrolysis Tank followed by the fermentation phase and with two tanks with floating roof to store the treated olive pomace. This digestate solid and liquid will be used as an improved fertilizer obtaining in that way a full recycling of the pomace.



BTS Biogas Srl/GmbH

Via San Lorenzo, 34 St. Lorenznerstr.
I-39031 Brunico/Bruneck (BZ)
T +39 0474 37 01 19
F +39 0474 55 28 36

E info@bts-biogas.com
I www.bts-biogas.com

Laboratory, Service & Logistic, International Training Centre

Via Vento, 9
I-37010 Affi (VR)
T +39 0454 85 42 05

AGROLIO S.R.L

S.P. 231 Km 55 + 120
76123 Andria (BT)
T +39 0883 1953203

E info@agrolio.com
I www.agrolio.com