

Conserve Italia - Valfrutta

POMPOSA (Fe) Reference

BIOMET



Pomposa plant da 35 kton/y



BIOMET ® - AD 2 stages thermofilic



Client: Conserve Italia

Brand: Valfrutta

Location: Pomposa
(Ferrara) Italy

Project: EPC excluding
Civil Works

Process: Pre-treatment
& blending; AD BIOMET
thermofilic; CHP;
Digestate drying

Completion: end of
start-up June 2010

Main Project data

- Field: Vegetable packaging industry (cannery)
- Project duration: 12 months
- Power: 1000 kW electric energy to public grid
- Feed: codigestion of:
 - 12700 t/y fruit and vegetable byproducts (18% ST, 90% SV/SV)
 - 13700 t/y ensiled mais (35% ST, 95% SV/SV)
 - 10300 t/y WWTP sludge (14.6% ST, 56% SV/SV)
- Process: hydrolisys, digestion, liquid digestate to WWTP; solid digestate drying
- Mix: 10% ST in Hydrolisys reactor
- Hydrolisys 1 x 1500 m³ steel made – Thermofilic 55°C
- Digestion 2 x 3400 m³ steel made – Thermofilic 55°C
- Total HRT 36 days