



DRANCO nv: CORPORATE PRESENTATION



Gent

THE
HIDDEN PEARL
OF EUROPE

DRANCO: THE COMPANY

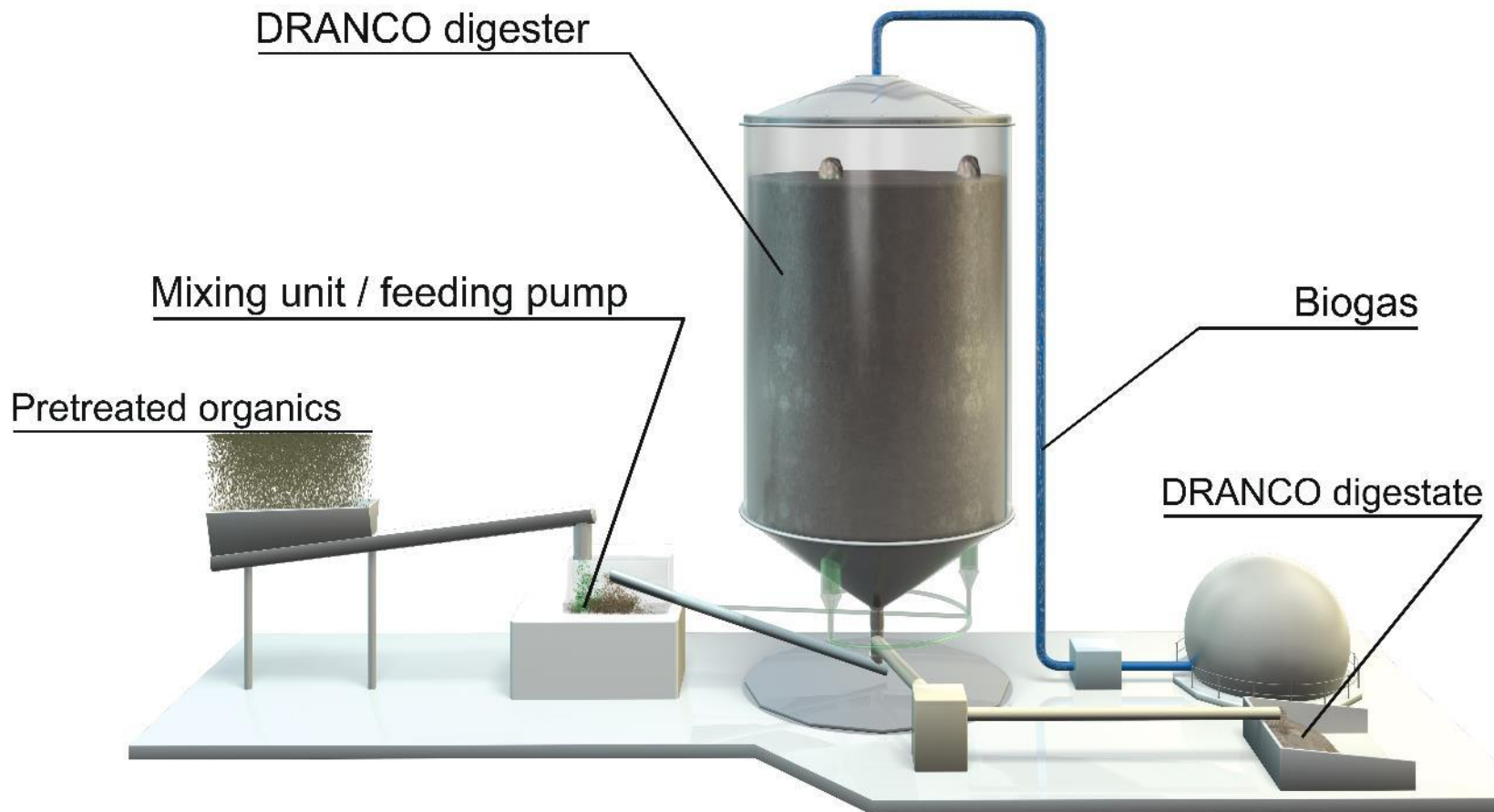
- DRANCO technology: dry continuous digestion technology developed in 1983 at U-Gent
- Laboratory: biological monitoring, biogas tests & research
- OWS created in 1988: >35 years experience in anaerobic digestion of solid and semisolid organics.
- Normec acquired OWS in 2020. Contribution of biogas activities to DRANCO nv in 2021.
- DRANCO nv was acquired by Indaver in 2023
- Main office located in Gent (Belgium)
 - 2 subsidiaries:
 - DRANCO Inc.
 - BES GmbH
- Cooperation with partner
 - TIRU PAPREC in France and Poland



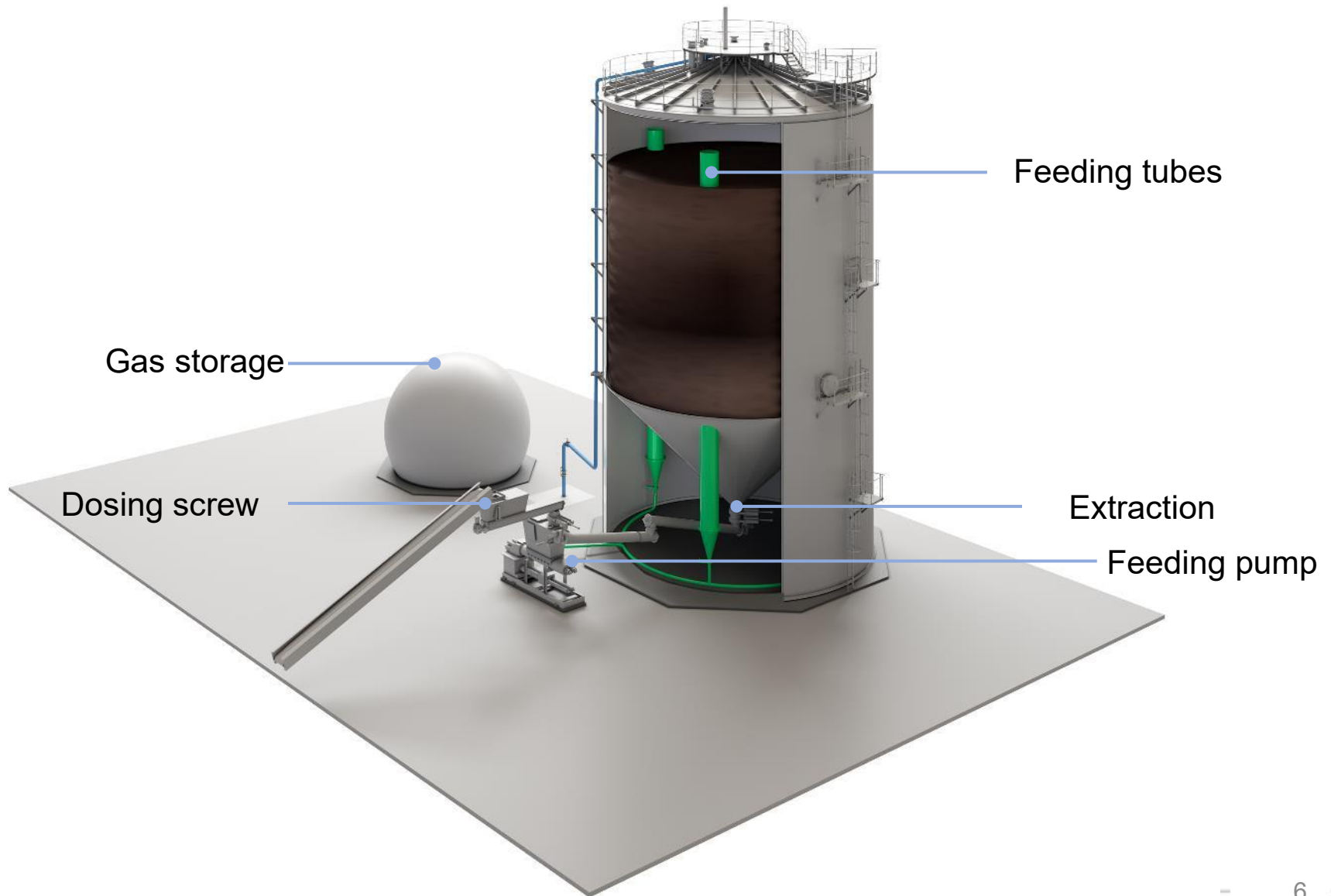


DRANCO

THE DRANCO TECHNOLOGY



THE DRANCO DIGESTER



DRANCO Plant References

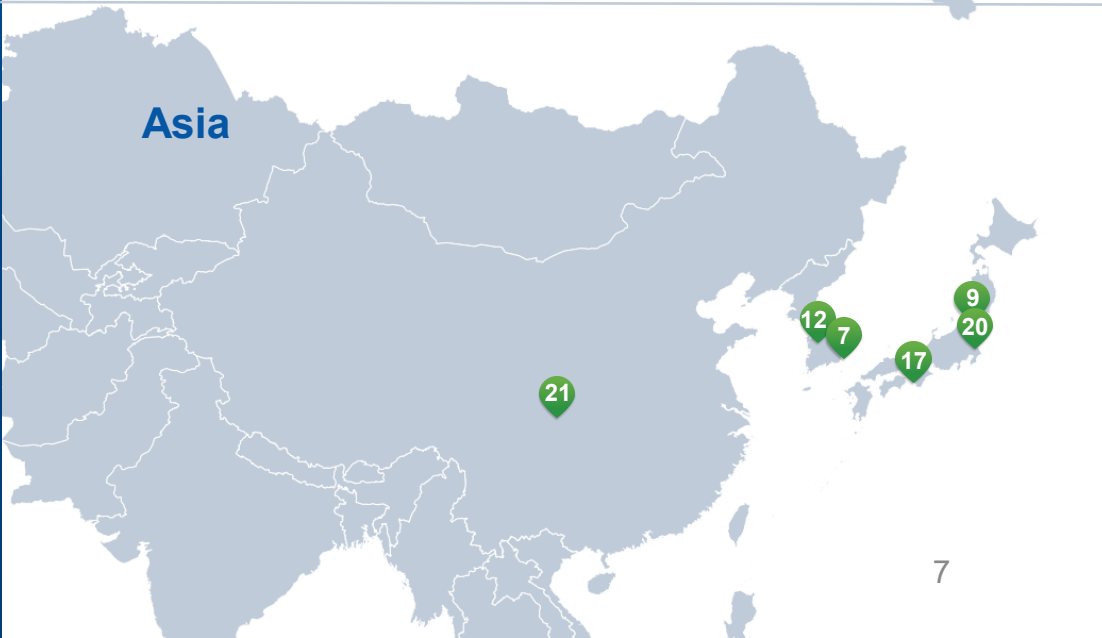
BIOWASTE / SSO

1. BRECHT (Belgium)	1992	20.000 tpy
2. SALZBURG (Austria)	1993	20.000 tpy
3. AARBERG (Switzerland)	1998	11.000 tpy
4. VILLENEUVE (Switzerland)	1999	10.000 tpy
5. BRECHT II (Belgium)	2000	50.000 tpy
6. LEONBERG (Germany)	2004	30.000 tpy
7. PUSAN (South Korea)	2005	70.000 tpy
8. TERRASSA (Spain)	2006	25.000 tpy
9. HOTAKA (Japan)	2007	3.000 tpy
10. TENNEVILLE (Belgium)	2009	39.000 tpy
11. KEMPTEN (Germany)	2009	18.000 tpy
12. SEOUL (South Korea)	2010	30.000 tpy
13. HENGLO (The Netherlands)	2011	50.000 tpy
14. WIJSTER II (The Netherlands)	2013	40.000 tpy
15. KAISERSLAUTERN (Germany)	2015	20.000 tpy
16. MÜNSTER (Germany)	2016	22.000 tpy
17. AYAGAWA (Japan)	2018	27.000 tpy
18. BEERSE (Belgium)	2018	35.000 tpy
19. GIPUZKOA (Spain)	2019	40.000 tpy
20. YORII (Japan)	2021	36.500 tpy
21. CHONGQING (China)	2022	35.000 tpy
22. DENDERMONDE (Belgium)	2022	45.000 tpy
23. LEUVEN (Belgium)	2022	55.000 tpy
24. BRECHT (Belgium)	2027	65.000 tpy

Europe



Asia



DRANCO Plant References

MIXED WASTE / OFMSW

		TOTAL / AD
1. BASSUM (Germany)	1997	105.000/13.500 tpy
2. KAISERSLAUTERN (Germany)	1999	25.000/20.000 tpy
3. ROME (Italy)	2003	40.000/40.000 tpy
4. HILLE (Germany)	2005	100.000/38.000 tpy
5. MÜNSTER (Germany)	2007	80.000/24.000 tpy
6. VITORIA (Spain)	2006	120.000/20.000 tpy
7. ALICANTE (Spain)	2008	180.000/30.000 tpy
8. LESZNO (Poland)	2010	50.000/26.000 tpy
9. WIJSTER I (the Netherlands)	2012	57.000 tpy
10. MIRANDELA (Portugal)	2013	55.000/10.000 tpy
11. CHAGNY (France)	2015	73.000/35.000 tpy
12. BOURG-EN-BRESSE (France)	2016	66.000/40.000 tpy
13. NORTH YORKSHIRE (UK)	2017	40.000 tpy
14. BASSUM (Germany)	2024	105.000/13.500 tpy
15. HEERENVEEN (the Netherlands)	2025	41.000 tpy

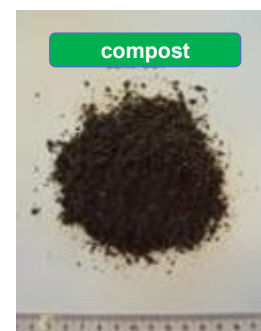
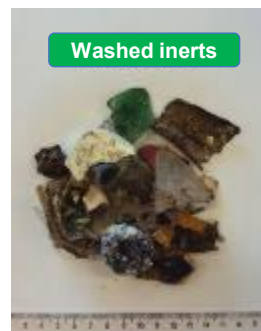
Europe

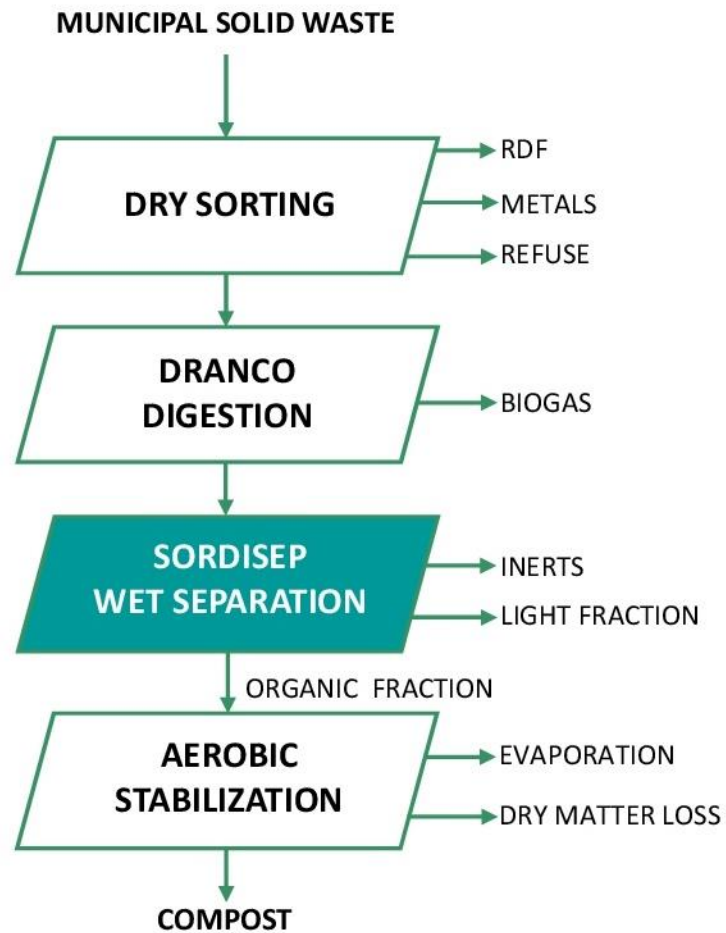


SORDISEP

An innovative technology of post-treatment after methanation of residual household waste

- SORDISEP increases the rate of recycling of material and landfill diversion
- An optimal separation after anaerobic digestion
- Compost production according to the norms





Post-treatment technology after anaerobic digestion of municipal solid waste

- Separation of digestate from OFMSW by means of wet washing and settling techniques
- Optimal separation after anaerobic digestion
- Digestate is diluted to about 5-10% solids and screened over 3mm
- <3mm fraction is centrifuged and composted; effluent is recycled
- >3mm is further processed to separate heavy inerts from light combustible fraction
- Production of quality compost in accordance with standards, of clean inerts and of a dry combustible high calorific fraction
- Increases the material recycling and landfill diversion rate

SORDISEP INPUT = DRANCO DIGESTATE

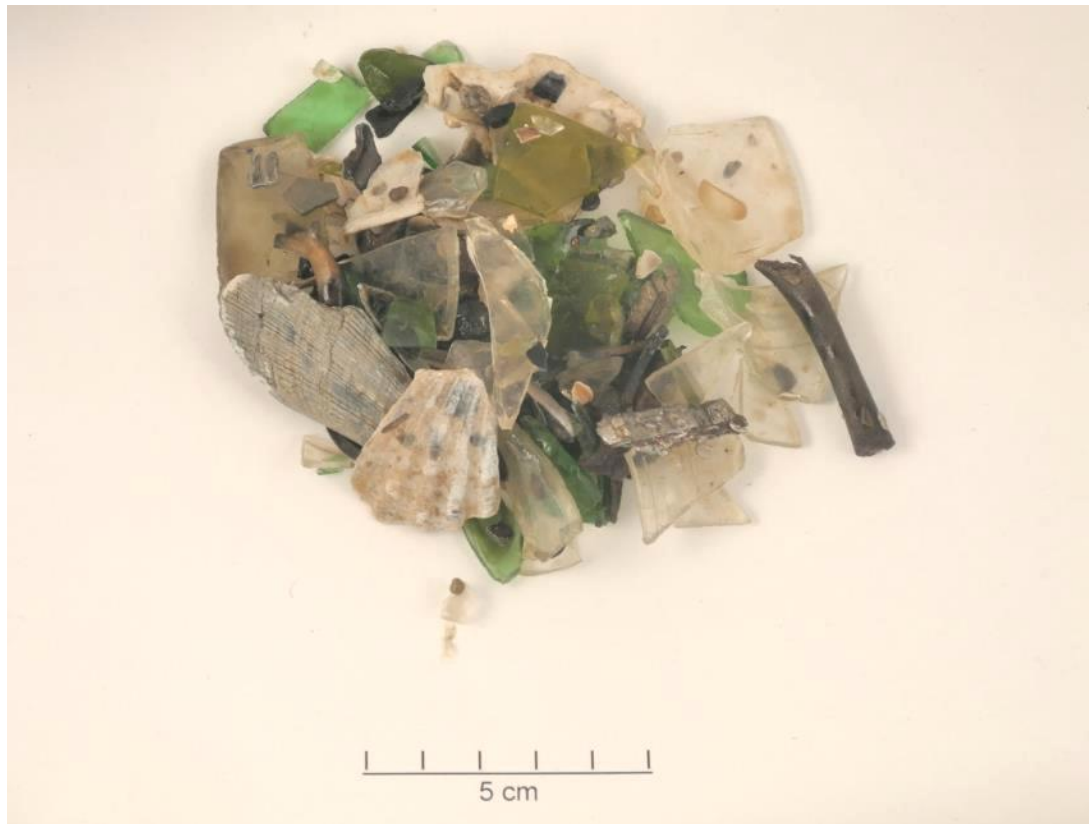
DRANCO DIGESTATE



LIGHT FRACTION



HEAVY INERTS



CENTRIFUGE CAKE



**BOURG-
EN-BRESSE**

OFMSW

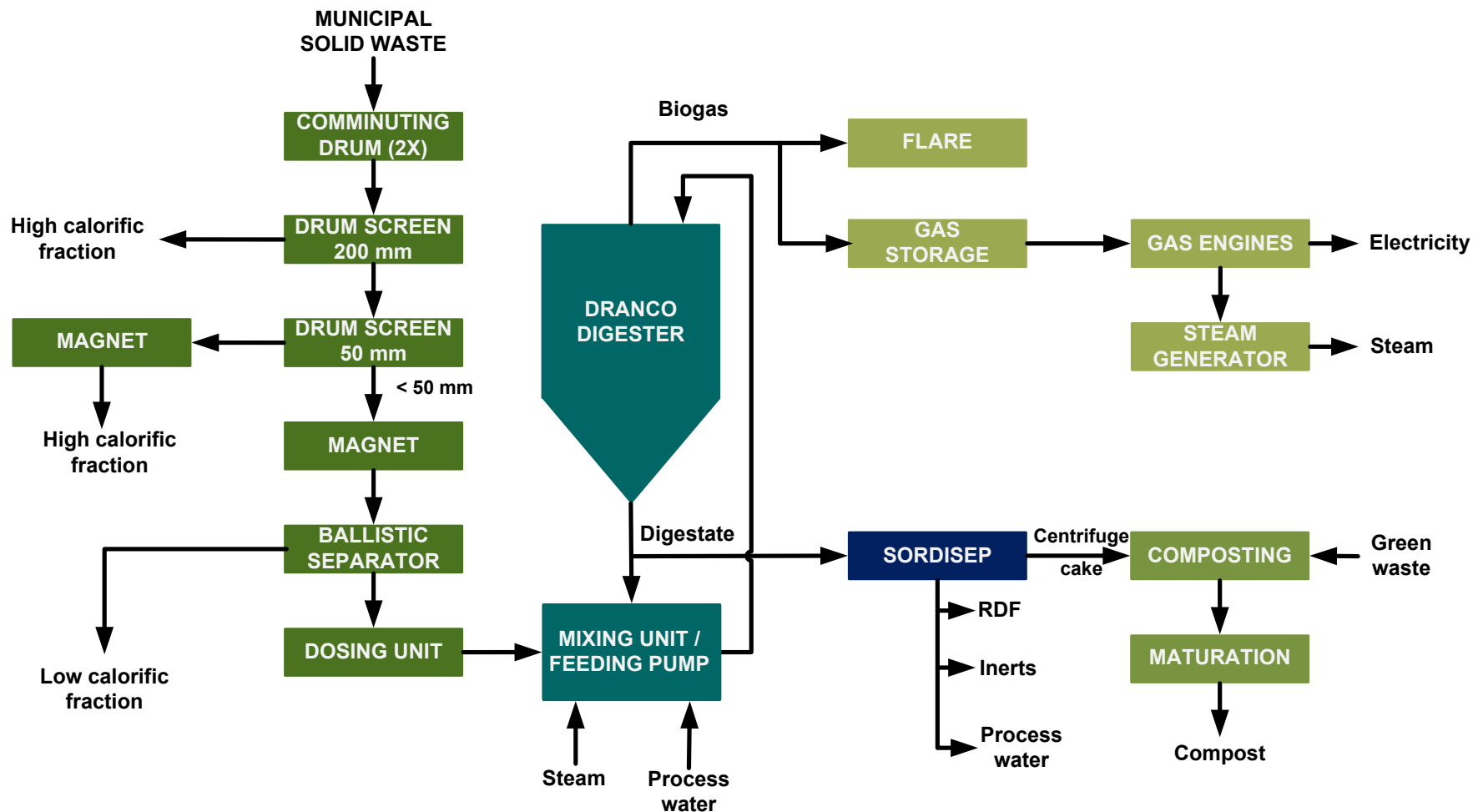


BOURG-EN-BRESSE: DIGESTION OF MSW

- Capacity:
 - 66.000 tpy mixed waste
 - 7.500 tpy green waste
 - Digestion capacity: 40.000 tpy
- Digester volume: 3.000 m³
- Start-up: 2015
- Application of SORDISEP
 - => production of clean compost from MSW
- Production of
 - 20.000 t compost/y
 - > 10.000.000 kWh/y of electricity
 - > 11.000.000 kWh/y of heat



BOURG-EN-BRESSE: DIGESTION OF MSW



FULLSCALE REFERENCE PLANT IN BOURG-EN-BRESSE (FRANCE)

- Capacity:
 - 66 000 ton/y mixed waste
 - 7 500 ton/y green waste
 - Capacity AD: 40 000 ton/y
- Digester Volume: 3 250 m³
- Start-up: 2016
- Full rate performance guarantees met September 2016
- Production of:
 - Compost: 20 000 ton/y
 - Biogas: 160 Nm³/ton
 - Electricity: > 10 000 000 kWh/y



CONTACT DETAILS



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MEMBER OF

