



BTS BioEnergy

Global Leaders in Anaerobic Digestion

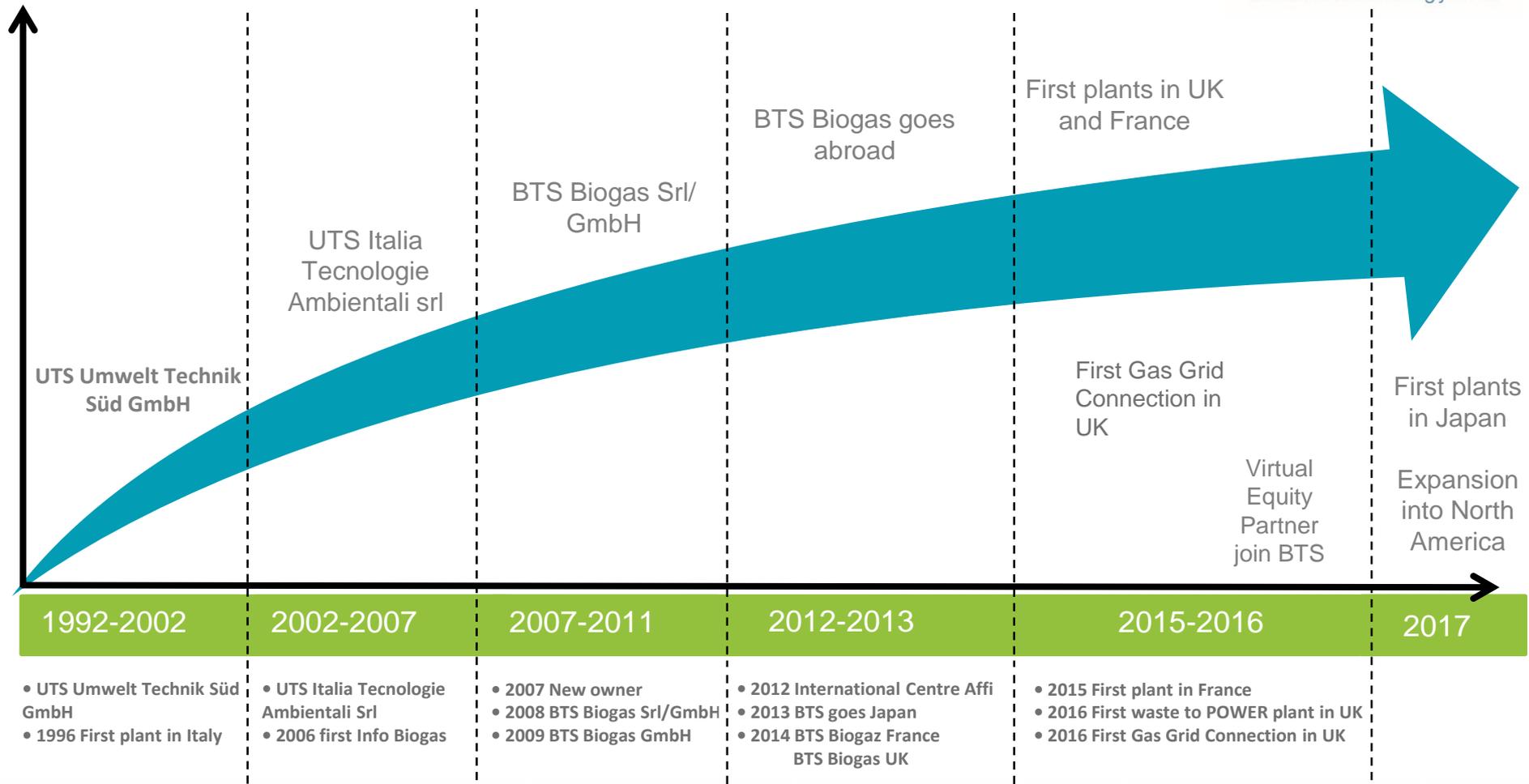
Mid-Atlantic Food Recovery Summit | Bowie State University | October 24, 2018

BTS Biogas: a 20 Year History



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BTS Today



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- 200 modular biogas plants in Europe, the UK and Japan rated energy capacity 250 kW to 3 mW +
- Owned & Operated or Build to Suit
- Organic Feed stocks: food waste (pre- or post-consumer), manure, grease and oil, and other biodegradeable by-products
- Guaranteed energy performance: Refine biogas into bio-methane, grid injection, use by fleet, CHP, and thermal.



Our Vision: Combine Business and Sustainability



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- Establish anaerobic digestion as renewable landfill,
- Reduce disposal costs for biodegradable waste generators,
- Cut GHGs by processing waste into renewable energy and soil,
- Create high value, reliable energy source,
- Recycle nutrients back to the soil by marketing safe and effective organic soil amendments,
- Responsibly process waste water through proven technology and processes.



Food Waste for Anaerobic Digestion



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Wide range of food waste accepted:

- Fruits and vegetables
- Meats and dairy
- Cooked foods
- Fats, greases, and oils
- Packaged food



Industries Served:

- Food processing and distribution
- Foodservice / Hospitality
- Agriculture
- Public institutions
- Municipalities
- Academic Institutions



Our Products



RGY
ergy.com

Renewable Energy

- Renewable Natural Gas
- Direct to Grid / Fleet Vehicle
- Electricity - Power Purchase Agreements
- Surplus Thermal Energy - Refrigeration



Class A Soil Amendment

- Liquid
- Dewatered
- Dried, Granulated
- Pelletized
- N and / or P stripped



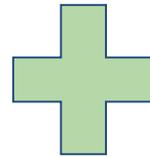


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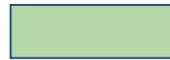
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Concentrations of digestible waste
& demand for renewable energy



Our history, experience, and technology



A customized solution that reduces
wastes disposal costs and carbon footprint

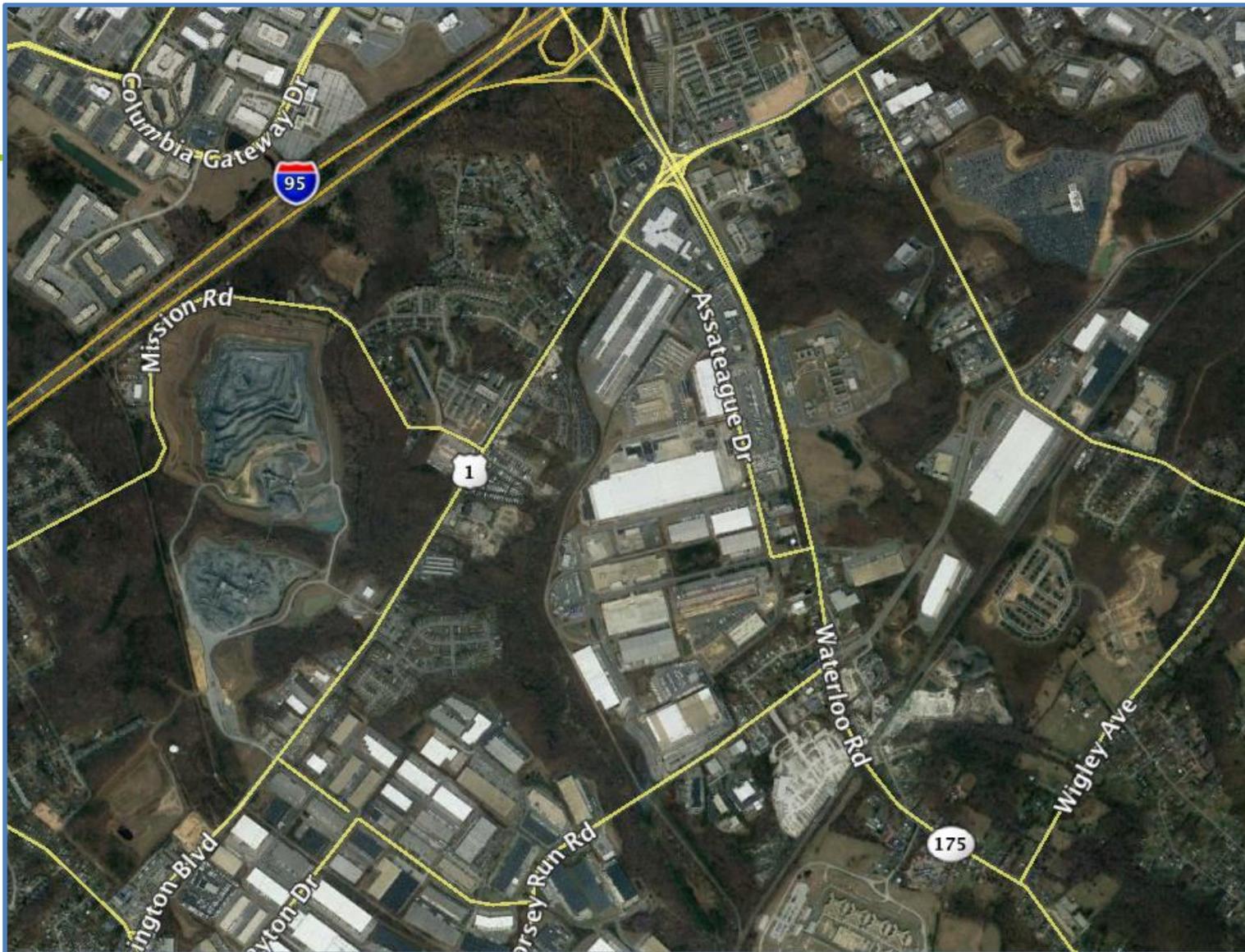




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Maryland Food Center - Jessup, Maryland



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Urban industrial campus of food processors and distributors

100,000 TPY, primarily food waste

3 mW power

Schedule to open 4th Quarter, 2019



Achieve local zero-waste goals

- Increased recycling rates, decrease in material sent to landfills / incinerators
- Reduced truck traffic, improved air quality

Reach carbon-neutrality

- Renewable alternative to fossil fuels
- Organic alternative to chemical fertilizers
- Carbon sequestration of digestate

Client Benefits

- Decrease waste management costs
- Reduce transportation distances, reduced costs, improved service
- Produce renewable energy for fleets
- Provide critical energy needs
- Create sustainable soil amendments for regional agriculture

A Global Leader in Anaerobic Digestion



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How It Works: The BTS Process



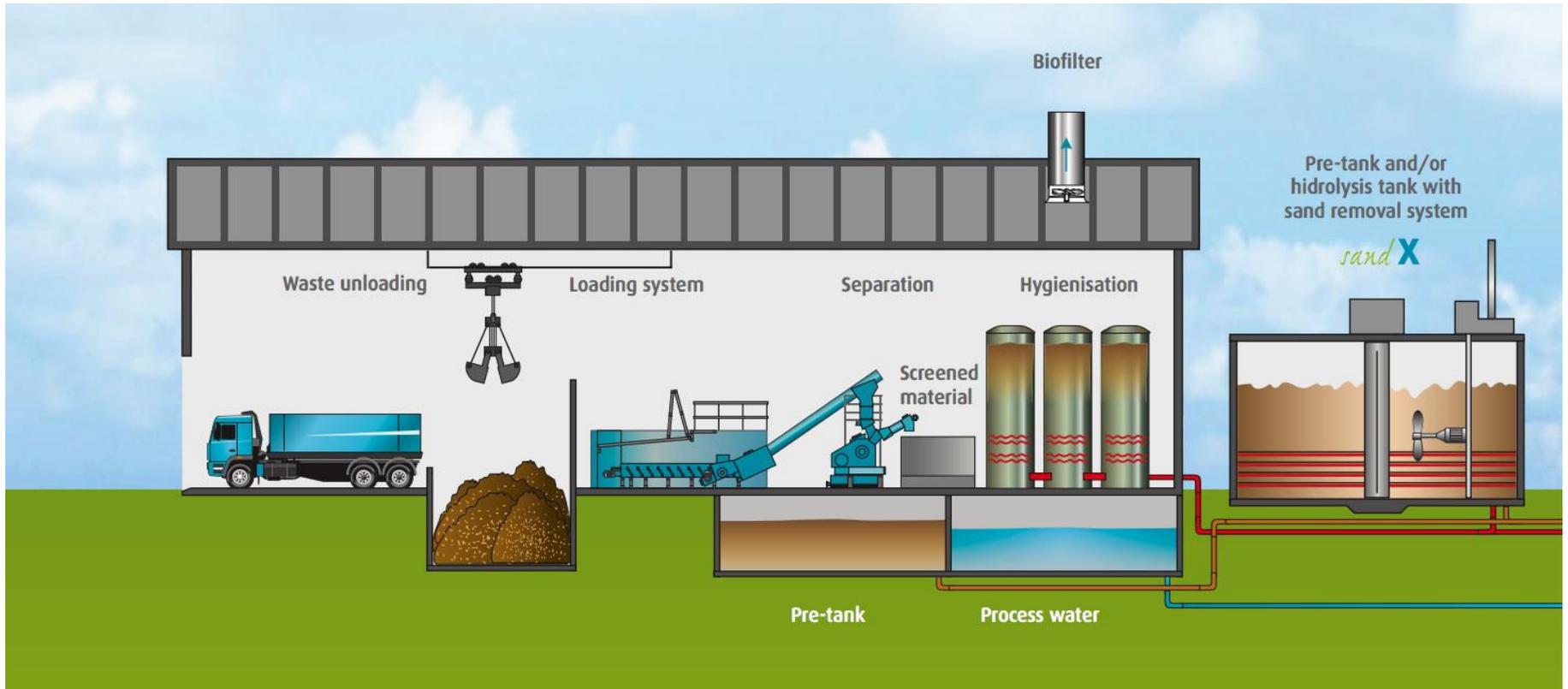
Feedstock Receipt and Pre-treatment



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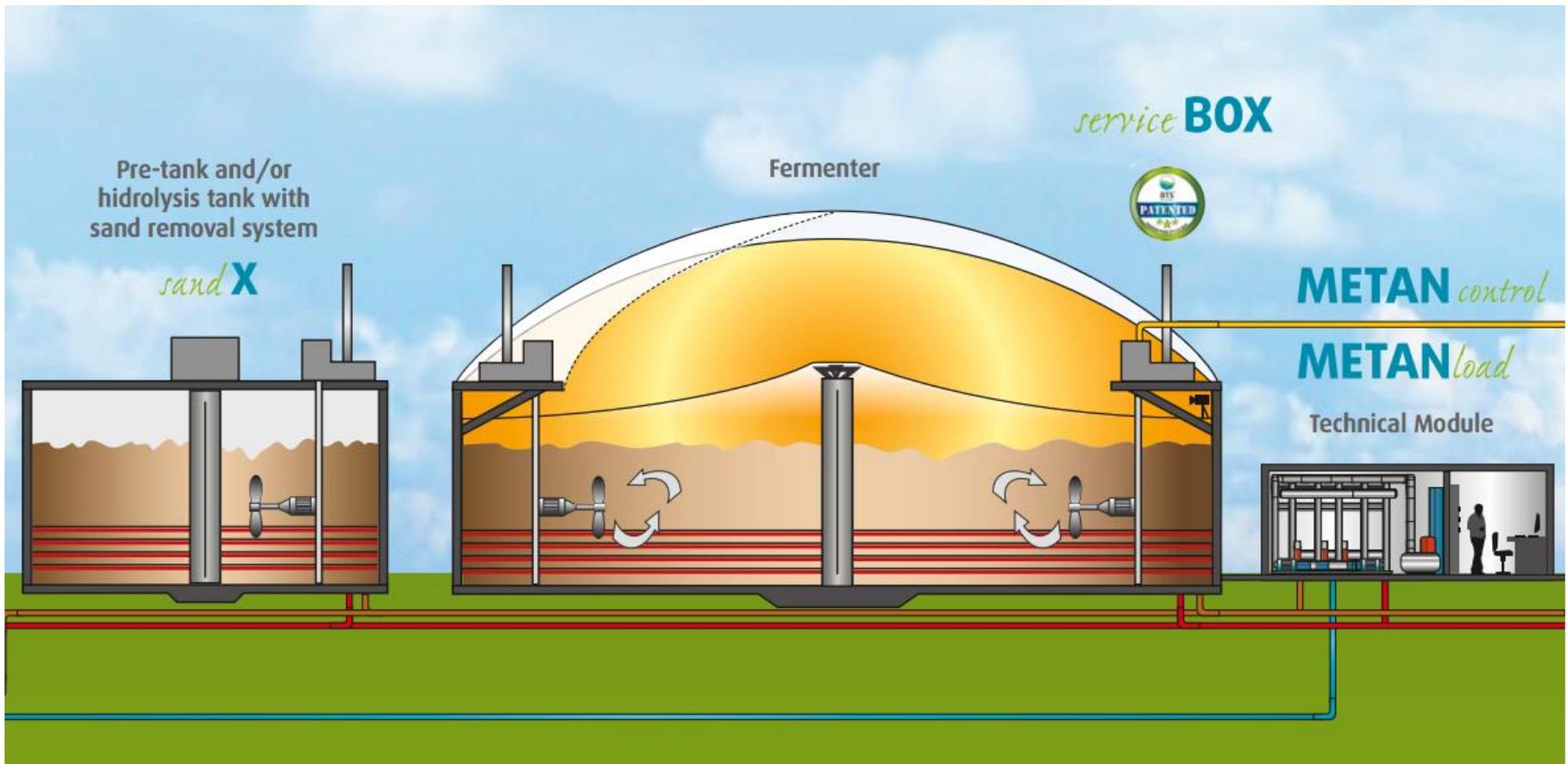


Primary Fermentation



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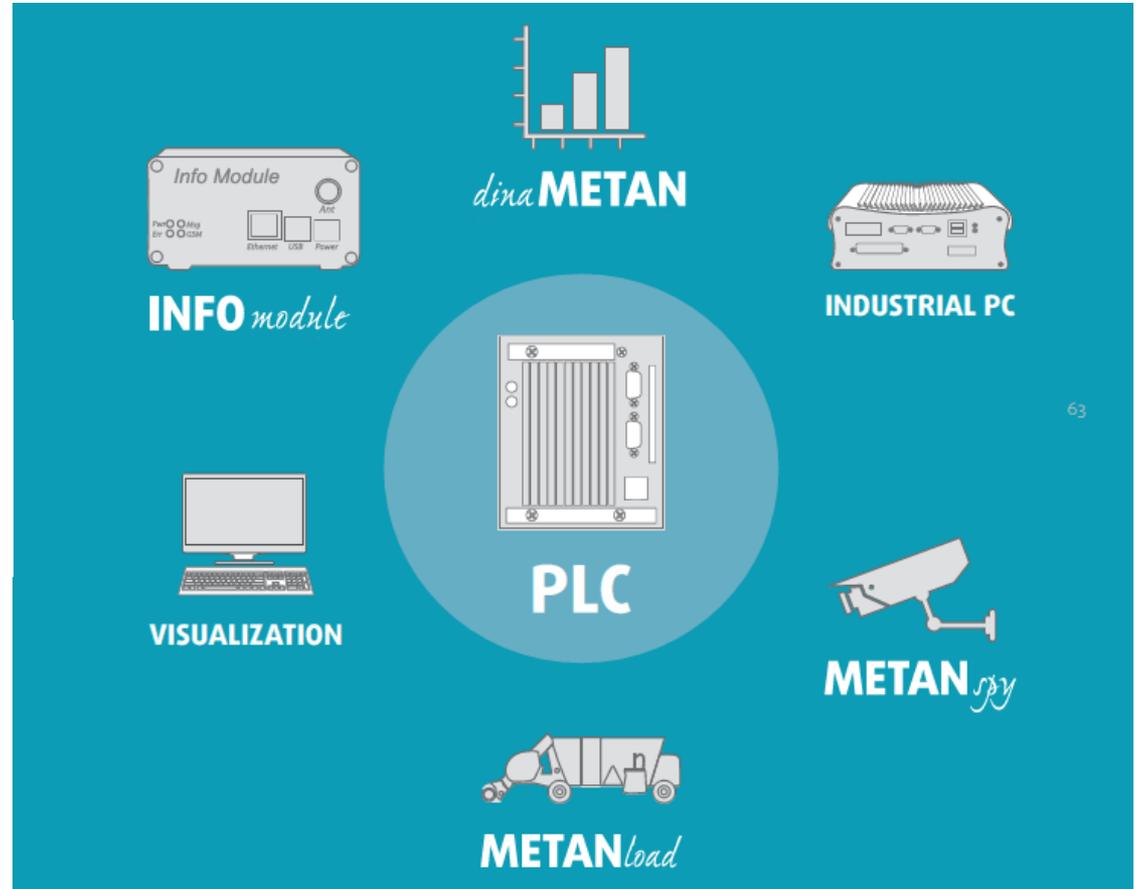
Our Proprietary Control System



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METAN *control*

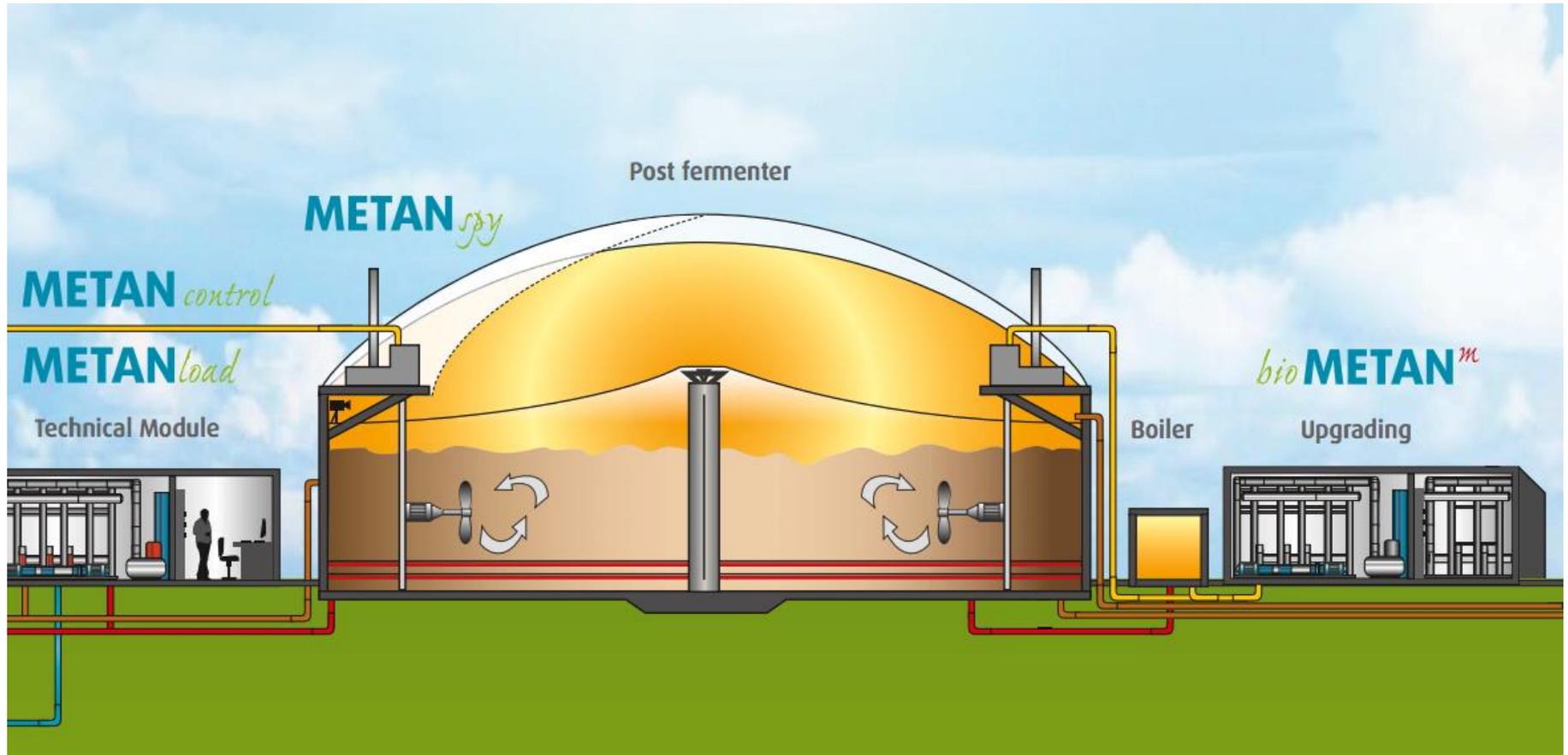


Post Fermentation



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Upgrading and Digestate Refinement



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