



Food waste and farm-fed anaerobic digestion services

Consultancy and events in
environmental science and engineering

Helping you to get the most from your AD plant

Aqua Enviro offer impartial advice and support on all aspects of anaerobic digestion, from feedstock specification and pre-treatment to digestate quality management and enhancement. We will work with you to de-risk and optimise your process, whether you process waste materials (source-segregated or mixed), energy crops, or agricultural residues.

Process optimisation and support

Maximising biogas production and enhancing day-to-day operability

- Feedstock characterisation and recipe formulation
- Design and implementation of performance monitoring plans
- Trace element testing and interpretation
- Training for operators and plant managers
- Plant data interpretation and reporting (including remote SCADA log-in and support)

Digestate quality and value-added

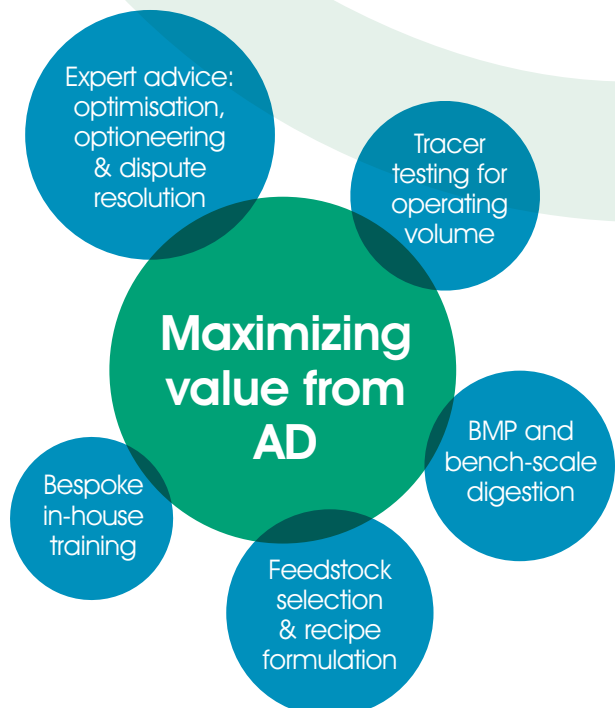
Meeting customer requirements and developing new products

- PAS110 and BCS compliance
- HACCP planning
- Product development and testing, from glasshouse to field
- Regulatory compliance / end-of-waste

Trouble-shooting

Pre-empting and solving process problems

- Performance assessment of each process step (including: de-packaging, maceration, digestion, pasteurisation, screening and separation)
- Lithium tracer testing to determine actual retention time vs design retention time



Enhancements and modifications

Ensuring new systems and processes meet expectations

- Bench and pilot trials to inform procurement decisions
- Technical due diligence for process modifications
- BioWin modelling to test virtual process impacts
- Testing the efficacy of de-packaging and other feedstock pre-treatments
- Cost-Benefit Analysis for nutrient recovery and removal options



For more information please contact Andy Burgess, Technical Sales Manager
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