



Aerobic Technologies Ltd

Sustainable Food Waste Solutions



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Cut Costs
Reduce Waste
Eliminate Emissions

Presentation Overview



Disposing of food waste safely, economically and environmentally has always been a priority for Facilities Services Managers in NHS Hospital across the UK.

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The Challenge

- High costs of food waste disposal and environmental challenges (macerators, transport to Anaerobic Digestion/landfill site)
- Hygiene & safety risks from bins & refuse sacks/storage costs/single-use plastic
- Legislation phasing out macerators & requirement for reporting food waste analytics across Europe
- ATL digester water discharge is fully compliant with European discharge legislation





On-site aerobic digestion converts food waste to grey water for safe discharge to the drain



No solid waste residue, no cleaning out required, all machines connected to the internet and monitored and controlled 24/7 from the ATL data centre



Eliminates odour, pests & storage risks



Automated cloud analytics & real-time reporting

ATL's Solution



*Cut Costs
Reduce Waste
Eliminate Emissions*



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The ATL 200, 100, and 50



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www.aerobictechnologies.net





Smaller Machines

Designed to process between 50kg to 200kg of mixed food waste every 24 hours, each unit is a fully self-contained system requiring only:

- a power supply
- cold water connection
- waste drain outlet

Backed by years of proven reliability and service, this new range builds on the success of larger digesters.



200kg Digester



100kg Digester



50kg Digester



University Hospitals Birmingham
NHS Foundation Trust



50kg Digester

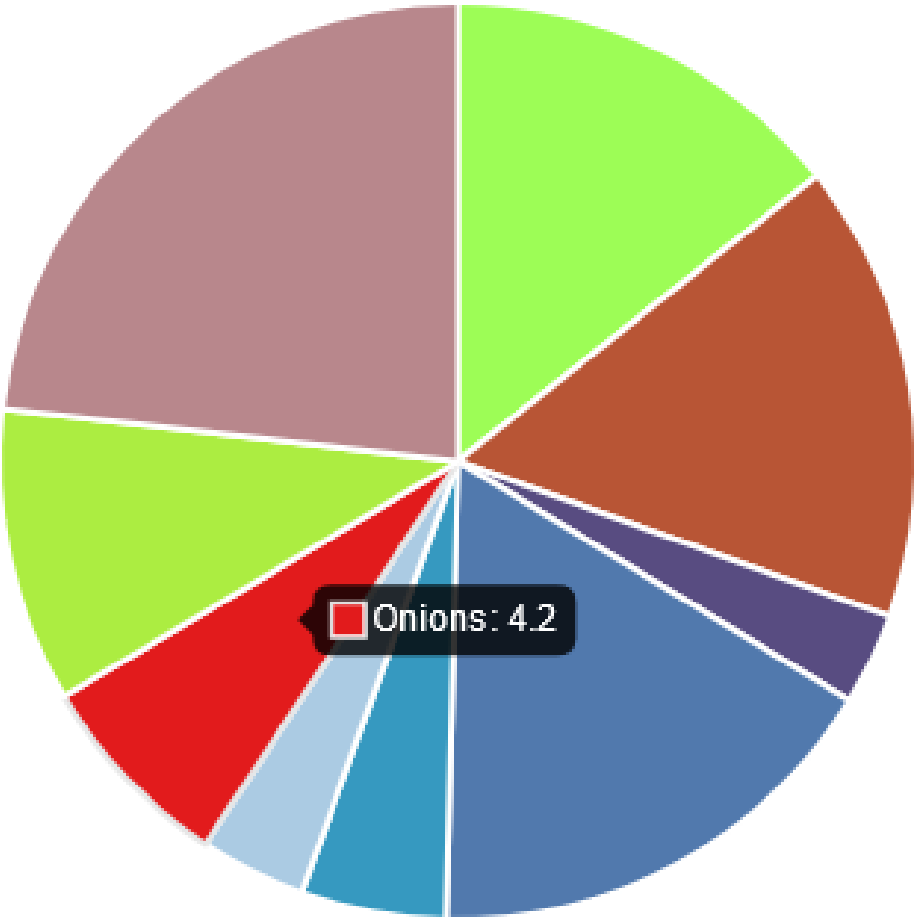
ATL is working on the first installation with the University Hospitals Birmingham NHS Foundation Trust. Aerobic Technologies is moving forward with the planned installation to help the Trust:

- Eliminate kerbside food waste collections
- Reduce costs on food waste disposal
- Improve staff welfare and hygiene across hospital facilities
- Eliminate vermin in waste areas that were previously attracted to food waste bins
- Gain 24/7 access to real-time food waste analytics, available in multiple formats for ERIC reporting

Aerobic Technologies has worked with the University Hospitals Birmingham NHS Foundation Trust for the past five years, providing innovative solutions that improve food waste management, hygiene, and sustainability.



Apples Beef mince Cabbage Cheese Fish Green beans Onions
Oranges Potatoes





Monthly data since installation for:
Doncaster Royal Infirmary, Doncaster

Ward

Please select

Meal type

Please select

Go

Month	Waste (kg)	Lid	Power (kW)	Water (L)	Temp (°C)
2022-06	1037.85	548	2070	7	43.1
2022-05	4307.62	2412	6735	24	43.4
2022-04	4351.49	2292	6079	21	43.5
2022-03	4221.15	2142	6222	20	43.1
2022-02	3656.48	2085	5685	17	43.4
2022-01	4056.51	2087	6294	20	42.0
2021-12	3671.48	2040	6311	19	42.0
2021-11	3350.13	2065	6115	18	41.4
2021-10	2205.17	1514	5973	17	40.8
2021-09	1323.07	805	5261	15	40.5
2021-08	39.95	103	5887	665	40.1
2021-07	137.53	86	964	43028	39.0

Sites

Summary

Daily

7 Days

Weekly



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AEROBIC
TECHNOLOGIES

ATL 500 Aerobic Digesters

Shipped to AET DWC LLP, ATL's
Distributor for the Middle East



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AEROBIC
TECHNOLOGIES

**1000 kg Machine
Installed for Serco**

September 30, 2025





Customer Benefits



Cost savings:

20-40%

reduction in disposal costs (NHS, Serco, SLCEO, Sodexo, Four Seasons Hotels, Service stations & public sector sites)

Reduced CO₂ emissions: no kerbside collections, eliminating carbon footprint from truck collections

Improved hygiene & workflow efficiency

Significant improvement for staff welfare

Real-time waste analytics enabling reduction at source (the machines can deliver food waste disposal solutions for customers already using weigh scale technology; LeanPath, Winnow & others)



AI Camera System



Recognises & categorises food waste automatically



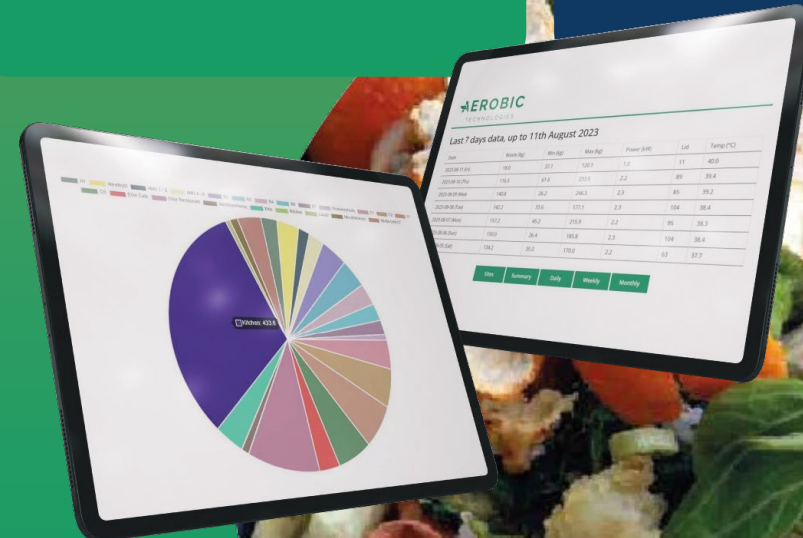
Eliminates manual operator input



Provides actionable insights for reducing avoidable waste



Drives tangible cost savings through overproduction reduction





Case Study Highlights

Serco @ NNUH

Sodexo

NHS North Lincolnshire

Hospitality (Four Seasons, Langham's)

SUN International

Hospitality and Fast food organisations

Reduce waste and enhance data reporting





Four Seasons Hotel Milan – *Installation*

- ATL 500 Digester installed (May 2024)
- Handles hotel kitchen waste on-site
- Delivers immediate savings vs traditional disposal
- Enhances luxury hospitality sustainability credentials





Sun International Cape Town – *Installation*

- ATL 1500 Digester installed (Feb 2025)
- Processes up to 1.5 tonnes of food waste per day
- Removes logistical costs of external waste disposal
- Significant operational savings and sustainability benefits



ATL Digester 200kg

ATL Digester 100kg

ATL Digester 50kg

How it Works

- Capacity: 50-5000kg/day, depending on model
- Machines installed with service and maintenance support
- Successful proven 7-year operating record
- Converts food waste to safe grey water
- Reliable 24/7 operation with minimal maintenance



Smart Technology



PLC control with
touchscreen
interface



AI camera integration
for automatic data
capture



Remote monitoring
& predictive
maintenance





Customer Experience

“The digester has transformed our catering operations – reducing food waste, saving costs, and helping us meet our sustainability goals.”

- Sam Bernard, Langham's London



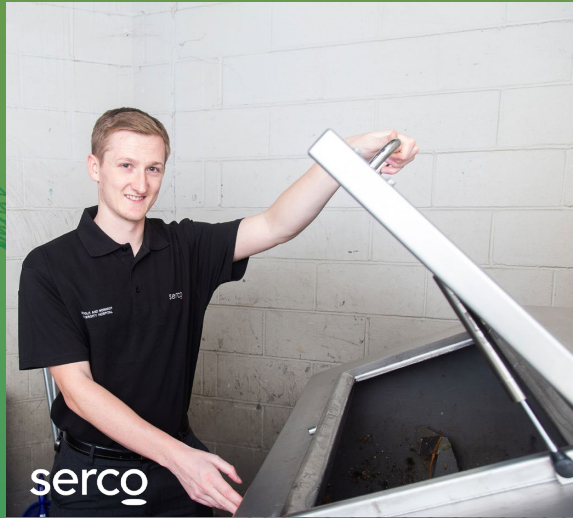
Samuel Bernard

GENERAL MANAGER, LANGAN'S BRASSERIE





Testimonials





AI Data Reporting

AI Camera Recognition System for Food Waste

Deliverables Report Aerobic Technologies Limited



Our aerobic digester machines use a natural, environmentally-friendly process to dispose all your food waste to nutrient-rich grey water that safely goes down the drain.



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www.aerobictechnologies.net



System Overview

Aerobic Technologies' AI Camera Recognition System automatically identifies, classifies, and logs food waste in real-time.

It eliminates manual input, improves data accuracy, and enables actionable insights for waste reduction across hospitality, healthcare, and food manufacturing sectors.



Key Deliverables

- Automated identification of food waste categories via AI-powered image recognition
- Real-time logging and data collection at the point of disposal
- Integration with Aerobic Technologies' analytics platform
- Dashboard reporting on waste volume, type, origin, and time
- Alerts and notifications for abnormal waste trends



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Why ATL?

- Company formed in 2016. Fully developed product range. First installation 2018. 7-year successful operating record
- Immediate & proven customer savings
- Long-term compliance with sustainability legislation
- AI-driven analytics for waste reduction
- Reliable 24/7 operation with minimal maintenance





Analytics & Reporting

- Food category-specific waste tracking
- Daily, weekly, monthly trend analysis
- Ward/department /disposal-point reporting
- Exportable reports for operational & ESG review





Customer Benefits from AI System

Eliminates data
entry errors

Provides visibility
to cut food waste
at the source

Enhances
operational
efficiency & cost
savings

Supports
compliance &
sustainability
targets





Why Install ATL Digesters?



Immediate cost savings compared to food waste collection contracts



Reduction in food waste at source through AI data analytics



Compliance with tightening legislation (ban on macerators, sewer discharge)



Significant reduction in CO₂ emissions (no kerbside collections)



Long machine lifespan (>25 years) = sustainable investment



Improve your waste handling and analysis - contact ATL now!



Contact ATL via
email for a site
assessment
rgp@mawley.com



Partner with us to
achieve measurable
cost savings



Join leading
organisations
(NHS, Serco, Sodexo, Four
Seasons, SUN International,
UK and European Hospitality
organisations)



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