

Waste No More!



advaitaaTM
green energy

**On-Site Food
Waste Processor**



About Us

At Advaitaa Green Energy we combine technology and heart to create sources that fuel progress in a green way. The steady growth, coupled with a rise in urbanization has led to a sudden decrease in the availability; along with an exponential rise in the demand of fresh water. Advaitaa Green Energy leverages on both these trends toward the development of a more sustainable economy by conserving fresh water - turning challenges into opportunities. Advaitaa Green Energy designs, integrates and engineers elements of mechanical biological treatment plants, renewable energy generation, wastewater recycling, greening technologies and sustainable living.



Our Presence

Advaitaa Green Energy (AGE) was formed to leverage on the emerging trends in the dynamic renewable energies industry of the Asian Pacific region. AGE, an India based engineering company has a presence through our partners in Australia and the South Asian region, with offices in Goa, New Delhi and Melbourne. It provides complete tailor made solutions to clients, depending on their needs and some of the technologies adopted are automated irrigation systems, automated municipal solid waste treatment plants, wastewater recycling plants and micro systems targeted towards irrigation, solid waste management and wastewater treatment. AGE has a vision to become the forerunner in irrigation & waste management industry in India and contributing to community empowerment through green energy.

Services Offered

The company's members and partners bring with them a wealth of experience spanning diverse segments of the industry in which they have been engaged. They offer:

- Irrigation technologies that save large amount of water for all types of lawns, vegetables, fruits, trees, etc.
- Engineering expertise and execution of Solid Waste Treatment Plants, Dry Anaerobic Digestion Plants, Wet Anaerobic Digestion Plants and Wastewater Recycling Plants.
- Project design engineering, financial modelling, consultation.
- Expertise and implementation of other green technologies.
- Access to a network of engineers, architects, landscape artists and consultants in associated fields.
- Modelling of Eco Villages and Eco City Concepts.
- In the process, AGE aims at providing job generation, R&D of innovative technologies and social empowerment programs for communities in need.

AGE is well positioned to build synergies and leverage on their combined expertise to develop a more sustainable and prosperous future.





ecoDigester™
Digesting food waste into water



ecoDigester™ is a totally self-contained, continual feed, organic waste disposal system designed to biologically recycle solid food waste materials into crystal clear reusable water. Using a process perfected by nature, it decomposes food waste into crystal clear water that is virtually odourless for multiple applications like watering plants and washing floor.

The primary function of **ecoDigester™** is to accelerate the natural decomposition process by maintaining optimal levels of aeration, moisture and temperature. Under this controlled environment without soil and ground water contamination, our unique microorganisms safely decompose any food waste at an accelerated rate compared to natural decomposition.

Any kind of food waste including: vegetable/fruit scraps, raw and cooked meats, fishes, poultries and dairy products can be thrown directly into the **ecoDigester™** for recycling.



Model	Processing Capacity
EW-WV40UF	Up to 40kg/day
EW-WV100UF	Up to 100kg/ day
EW-WV300UF	Up to 300kg/day
EW-WV500UF	Up to 500kg/day
EW-WV700UF	Up to 700kg/day
EW-WV1000UF	Up to 1000kg/day

Electrical Requirement

- 415 Volts
- 50 / 60 Hz
- 35 Amps
- 3 ph w / ground

Drain Requirement

- Minimum 2" Drain diameter

Certification

The discharged water from **ecoDigester™** have been verified by Analytical Laboratories (Singapore) Pte Ltd to be fit for use as recycled water. Our discharged compost from the **ecoComposter™** has also been verified by local authorities- The Agri Food & Veterinary Authority of Singapore.

Discharged Water Result

ANALYTICAL LABORATORIES (SINGAPORE) PTE LTD
 Analytical Chemicals, Environmental and Materials Testing
 8, East Bridge Road, Singapore 410802 Tel: 67422888 Fax: 67422833 Email: sales@analabs.com.sg
 02 859123 167890203 031 859123 167890203

REPORT

Lab No : ACHAF0902011
 Company Name : ECO-DIGEST GROUP PTE LTD
 Date Received : 23/12/2011 Date Reported : 28/12/2011
 Sample Description : One sample of water Date Tested : 23/12/2011-28/12/2011

The sample consisted of a 1.54 litre (1.54) of water in bottles:
**International Hotel
 Filtered Water (Only thru membrane)
 22/12/2011**

Environmental Protection Department
 Environmental Protection Department
 Environmental Protection Department

Parameter	Unit	Result	Limit
Hardness (Degree Dussard @ 25°C to 2.025, mg/l)	°D	5	50
Chemical Oxygen Demand (mg/l)	mg/l	39	100
Total Suspended Solids (mg/l)	mg/l	<5	50
Total Dissolved Solids (mg/l)	mg/l	306	N/A (not table)
Chloride (Cl ⁻) (Hydrochloride), (mg/l)	mg/l	1	10

Note: <- Note this

Phang Ken Ann
 Testing Officer

Yong Tee Sin
 Manager
 ANALYTICAL LABORATORIES (S) PTE. LTD.

ANALYTICAL LABORATORIES (S) PTE. LTD.
 No. 8 East Bridge Road,
 Singapore 410802.

Compost Test Result

AVA
 Agri-Food & Veterinary Authority of Singapore
 Animal & Plant Health Laboratories
 Animal & Plant Health Centre
 8 Poyhia Road, Singapore 378227
 Tel: (65) 6276 1168 / 1169 Fax: (65) 6276 1100

Laboratory Report
 18/06/2010

Our Ref. : P-COM-2010-08-00022
 Your Ref. :
 Date Received : 11/06/2010
 Changing Type : Compostable
 Attn : Miss ME AMANDA TAN WEE KUAN
 A-HILISE INTERPRISE
 1 BUKIT BATOK CRESCENT
 09-58
 WEEGA PLAZA
 SINGAPORE 658664
 Fax: 65709900

-- Sample(s) Submitted: S/N Sample Marking Sample Name Sample Description Symptoms Country
 S01 PILOT SAMPLE COMPOST Compost NA SINGAPORE
 3-HUMUSCOMPOST

II. On analysis, the results are as follows:
Chemical & Physical Analysis

S01 PILOT SAMPLE 3-HUMUS/COMPOST			
pH value (1:5)	3.87	Organic Matter	77.4 %
Electrical Conductivity (EC)	7.51 mS/cm	Carbon Nitrogen Ratio	11
Total Nitrogen (as N)	3.97 %	CEC	15.7 cmol/kg
Total Phosphorus (P2O5)	1.77 %	Moisture Content	7.6 %
Total Potassium (as K2O)	0.85 %		
Total Calcium (as Ca)	0.76 %		
Total Magnesium (as Mg)	634.7 mg/kg		
Total Sodium (as Na)	851 mg/kg		
Total Copper (as Cu)	31.8 mg/kg		
Total Manganese (as Mn)	23.4 mg/kg		
Total Iron (as Fe)	1414 mg/kg		
Total Zinc (as Zn)	47.9 mg/kg		

III. Recommendations:
 The results of analysis are as above.

Dr VARUGHESE PHILIP
 Director General,
 Agri-Food & Veterinary Services

End of Report

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An Assurance of Quality

The CE Marking is a mandatory European marking for various product categories to indicate conformity with the essential health, safety, environmental and consumer protection requirements.

The UL Marking is a registered certification mark of Underwriters Laboratories Inc. (UL), an independent, not-for-profit, product safety testing and certification organization.



ISO9001 QMS
 (Standard for Quality Management System)



bizSAFE is a recognition by WSHC Office of the workplace safety and health efforts.