



"The Full-Cycle Environmentally Friendly Solution"



Presented by: Promise Earth (M) Sdn Bhd

WHO ARE WE ?

Company : **Promise Earth** (M) Sdn Bhd (841164-V)

Address : No.7, Jalan Sungai Keramat 2,
Taman Klang Utama, 42100 Klang,
Selangor, Malaysia

Brands : Bio-Mate ® , Inozyme ®

Established : 2008 ~ Present



COMPANY MILESTONES



2008

- Promise Earth was Born

2009 - 2011

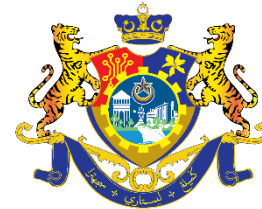
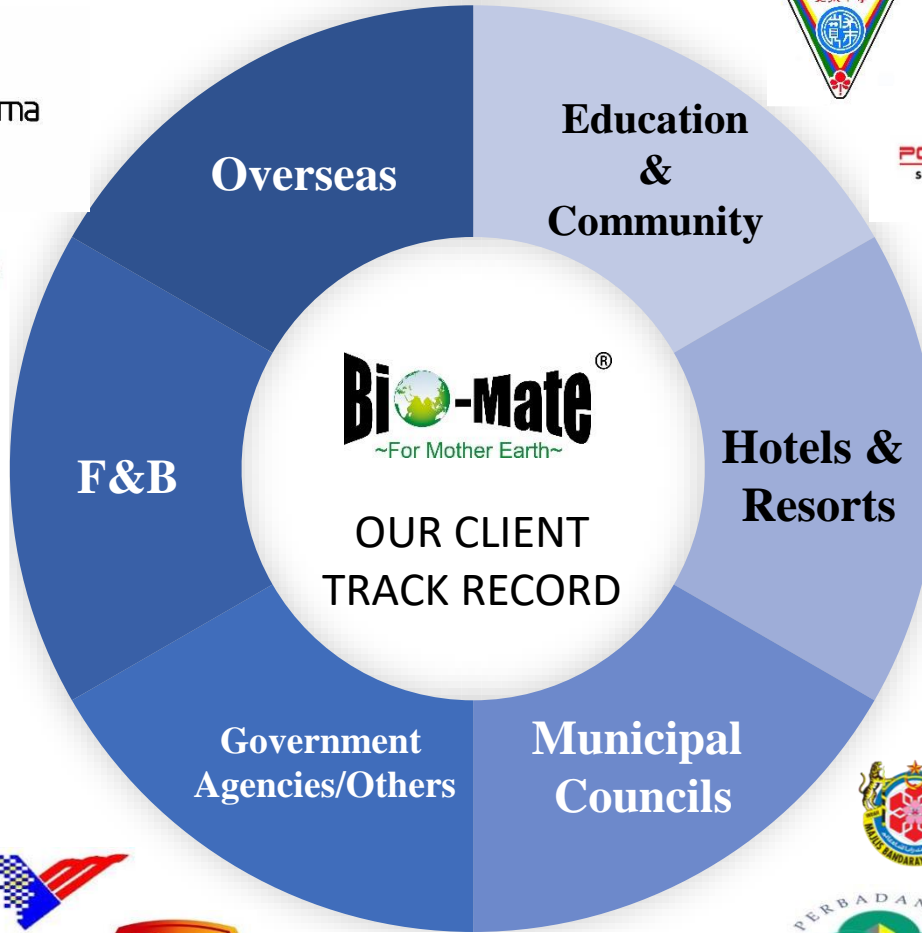
- Obtained Bio-Nexus Status
- Collaboration with UPM – Research on Microbe, Enzyme and Fermentation Process
- Inozyme® was created
- First Composting-Fermentation Machine Prototype Created

2011 - 2015

- Machine evaluated and certified by SIRIM Malaysia – LCA GHG emission
- USM Drug and Poison Test on Inozyme®

2015 - Present

- Set up 5 Tonne/day Pilot Plant
- Malaysian Agro Excellence Award (2017 & 2018)
- Green Tech Malaysia MyHijau Cert Awarded
- Ongoing R&D Initiatives



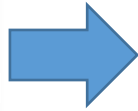
MACHINERY CONCEPT VIDEO



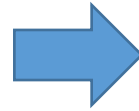
BIO-MATE PROCESS FLOW



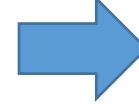
Segregate Organic Waste



Add Saw Dust & Enzyme



Load Organic Waste



After 24-48 hours, Discharge 60-70% Composted Material, Store Away From Moisture For 2 Weeks Before Use

WASTE INPUT & DISCHARGE GUIDE – WEEKLY SYSTEM

E.g - Machine Model : BM 600S/SC

Day 1 (D1)	Day 2 (D2)	Day 3 (D3)	Day 4 (D4)	Day 5 (D5)	Day 6 (D6)	Day 7	Day 8
D1: 100kg	D1 : 50kg	D1 : 35kg	D1 : 35kg	D1 : 35kg	D1 : 35kg	–	D1 : 35kg
	D2: 100kg	D2 : 50kg	D2 : 35kg	D2 : 35kg	D2 : 35kg	–	D2 : 35kg
Saw dust :20kg		D3 : 100kg	D3 : 50kg	D3 : 35kg	D3 : 35kg	–	D3 : 35kg
Enzyme: 2.5kg			D4 : 100kg	D4 : 50kg	D4 : 35kg	–	D4 : 35kg
				D5 : 100kg	D5 : 50kg	–	D5 : 35kg
					D6 : 100kg	–	D6 : 35kg
						Compost	210kg
						Saw dust	4kg
						Total	214kg
				214 kg ÷ 0.6 (density)		:	356.6 liter

ADD ONE PACK (500g) OF INOZYME ONCE A MONTH.

***SAWDUST TO BE ADDED ONCE EVERY TWO WEEKS.**



BM 150S
Capacity : 25 kg
Tank Volume : 150 liter



BM 300S / SC
Capacity : 50 kg
Tank Volume : 300 liter



BM 600S / SC
Capacity : 100 kg
Tank Volume : 600 liter

OUR RANGE OF MACHINERY

On-Site - High Speed - Food Waste to Viable Compost in 24 – 48 Hours
Odourless Free - Pathogen Free



BM 750S / SC
Capacity : 125 kg
Tank Volume : 750 liter



BM 1500S / SC
Capacity : 250 kg
Tank Volume : 1500 liter



BM 5000S / SC
Capacity : 1000 kg
Tank Volume : 5000 liter



ETRC257/16/1020 (R150/11)

Report

**CRADLE-TO-GATE LIFE CYCLE INVENTORY ANALYSIS
FOR BIO-MATE COMPOSTING SYSTEM**

Prepared for:

Promise Earth (M) Sdn. Bhd.
46 A and 48A-1, First Floor, Lebuhr Enggang,
Off Jalan Meru, 41050 Klang,
Selangor Darul Ehsan,
Malaysia

Prepared by:

Environmental Technology Research Centre (ETRC)
Building 15, SIRIM Berhad
No 1, Persiaran Dato Menteri,
Section 2, 40911 Shah Alam,
Selangor Darul Ehsan, Malaysia.

29 July, 2011

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Composting-Fermentation System
has been evaluated and certified by
SIRIM for its technical capacity and
Green House Gas (GHG) emission
reduction of

393 % LESS

compared to direct disposal to
landfills.

**Technical Report Reference:
ETCR257/16/1020 (R150/11)**

NO
METHANE
GAS
PRODUCED



TOXICOLOGY LABORATORY
NATIONAL POISON CENTRE



Universiti Sains Malaysia, 11800 Penang, Malaysia
Tel: 04 653 2191 / 2171 / 2172 Fax: 04 653 2086 email: pmlab@usm.my

Bil. Kami (Our ref.)
PRN2012/152

Bil. Tuan (Your ref.)

Tarikh (Date)
21st May 2012

SLHL ANALYSIS / CERTIFICATE OF ANALYSIS

Analisis (Analysis) : Unknown poison screening

Sampel (Sample) : Name: INOZYME
Type: Powder
Container: Sachet
Batch/Lot: -
Exp. Date: -
Mfg. Date: -

Pelanggan (Client) : Promise Farh (M) Sdn Bhd
46A, Ground Floor, Lebuhr Lenggang Off Jalan Meru
41050 Klang, Selangor

Keputusan (Result) :

Test Parameter	Test Method	Laboratory Specification	Result
Drugs (Appendix 1)	GC-MS	Negative	ND
Other Poisons (Appendix 2)	GC-MS	Negative	ND

Nota (Note) :

- 1) GC-MS: Gas chromatography-Mass Spectrometer
- 2) ND: No detection (seen in compounds in quality control & mixing)
- 3) Identification was based on mass spectral matching with standard references in quality control samples and libraries (NIST and WILEY). Confirmation procedure is required to quantify and re-confirmation the presence of any detectable compound.

Che Kim Mar
(IKM No: A72962/5758/10)
Senior Science Officer

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TIDAK UNTUK TUJUAN PENGIKLANAN ATAU SEBARANG IMPLIKASI PERUNDANGAN
NOT FOR PURPOSE OF ADVERTISEMENT OR ANY LEGAL IMPLICATION

Memupuk Kesihatan • Creating Health

Bi-Mate®
~For Mother Earth~

INOZYME® has been tested by USM
Toxicology Lab for the presence
of drugs and poisons

It's proven INOZYME® is
drug/poison FREE

THE BENEFITS

CONVERT FOOD WASTE FOR PLANT NEEDS (COMPOST)

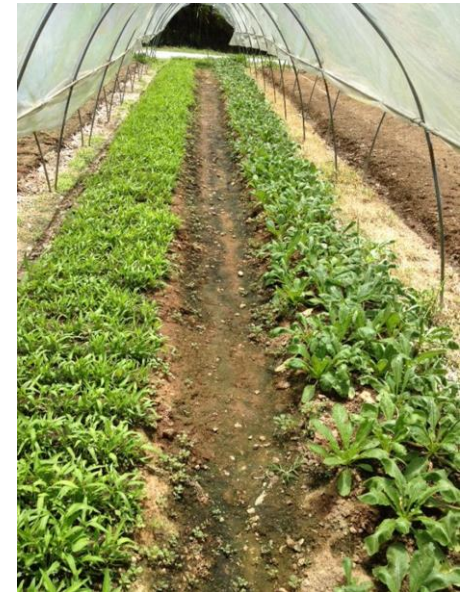
- USED FOR LANDSCAPING / ORGANIC FARMING

REDUCE WASTE TO LANDFILL

- WASTE TIPPING FEE CAN BE DECREASED
- REDUCED CARBON FOOTPRINT
i.e. NO METHANE & LESS CO₂

GOOD ENVIRONMENTAL PRACTICE

- MOVE TOWARDS GREEN AND HEALTHY SOCIETY FOR OUR
MOTHER EARTH (SOCIAL IMPACT)



1) MAJLIS BANDARAYA KUCHING SELATAN, SARAWAK (MBKS)



2) PERBADANAN PUTRAJAYA (by DHES)





OUR MACHINES ON-SITE...

3) RAPID PETRONAS, Pengerang Johor (by TMR LC Services SB)



4) FOON YEW CHINESE HIGH SCHOOL, Kulai Johor



7) GAMUDA LAND/JADE HOMES SDN BHD - JADE HILLS KAJANG (TOWNSHIP)



8) GAMUDA LAND/JADE HOMES SDN BHD - MENARA GAMUDA, PJ



THANK YOU FOR YOUR KIND ATTENTION

WE LOOK FORWARD TO WORKING TOGETHER
AS ENVIRONMENTAL PARTNER

