



ENVIROAsher

CLEANER & GREENER,
'BERSIHLAH' OUR EARTH.

WWW.SamShield.ae
Mbashir@samshield.ae

PPO overseas

ENVIROAsher
CLEANER & GREENER,
'BERSIHLAH' OUR EARTH.

ENVIROAsher
greenhub
Enabling Sustainable Communities

CLEANER & GREENER,
'BERSIHLAH' OUR EARTH.





BUATAN MALAYSIA
MADE IN MALAYSIA



1

2

3

WASTE TO ASHES

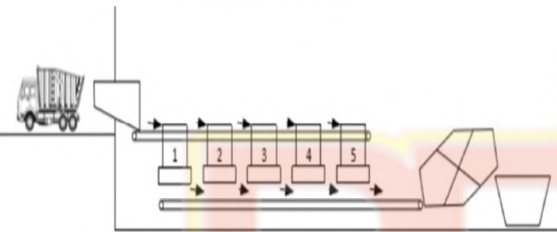
ASHES TO GREEN

GREEN TO BETTER COMMUNITY

ENVIRO ASHER

ENVIRO FARM
ENVIRO FRESH

ENVIRO O2O
ENVIRO VENTURE
ENVIRO EDUCATION TOUR



Soil Green House



Hydroponics



PROverseas

ENVIRO Asher



MERCHANTS EXPERIENCE

Direct Sales, Retail, on E-Shop & Advertisement

STORE

ENVIRO O2O
ENVIRO VENTURE
ENVIRO EDUCATION TOUR

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

BUATAN MALAYSIA
MADE IN MALAYSIA

SECTION 1



WASTE TO ASHES

ENVIRO ASHER

ENVIRO Asher
greenhub
Enabling Sustainable Communities



**THE
UGLY
TRUTH**

SHALL WE GIVE BACK
THIS TO MOTHER EARTH?

PRO
verseas



The world generates at least 3.5 million tons of plastic and other solid waste a day.

 NATIONAL GEOGRAPHIC <https://www.nationalgeographic.com/news/2018/05/zero-waste-families-plastic-culture/>

The waste generated in Malaysia in 2018 rose to 38,000 tons per day, despite the increased recycling rate of 17.5%.

 <https://www.mida.gov.my/home/sustainable-waste-management-in-malaysia--opportunities-and-challenges/posts/>



BESIDES AWARENESS & EDUCATION, WHAT IS THE REALISTIC SOLUTION ?



overseas

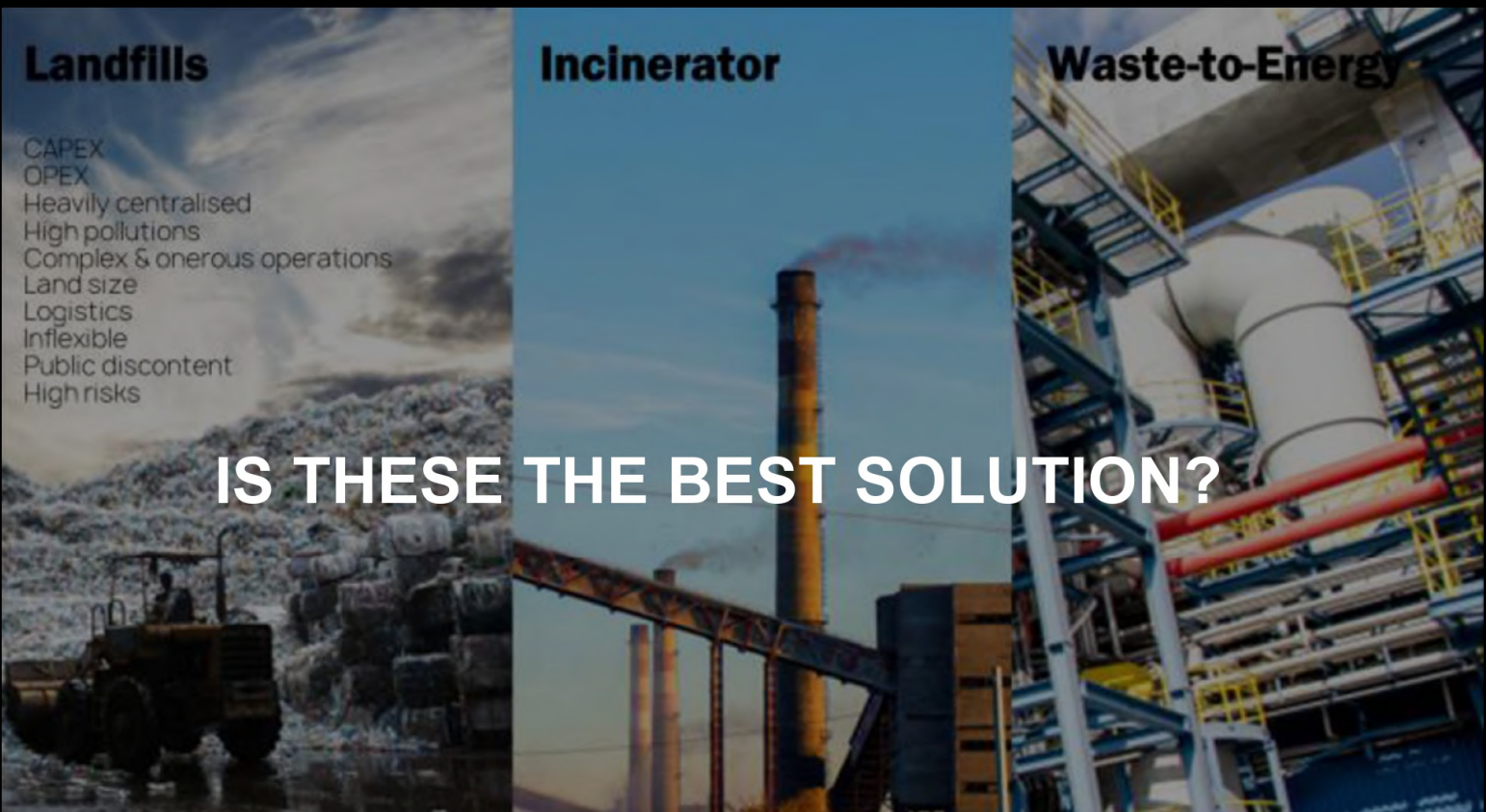
Landfills

- CAPEX
- OPEX
- Heavily centralised
- High pollutions
- Complex & onerous operations
- Land size
- Logistics
- Inflexible
- Public discontent
- High risks

Incinerator

Waste-to-Energy

IS THESE THE BEST SOLUTION?



CURRENT TECHNOLOGY & SOLUTION

ENVIROAsher

LANDFILLS

- Insufficient of land
- Distance is too far for the dump truck to carry the waste
- The problems at the dirty, smelly and health hazardous illegal dumpsites.
- Water Contamination & Pollution
- Mosquito breeding



CURRENT TECHNOLOGY & SOLUTION

ENVIROAsher

LANDFILLS

- The Methane gas (21x more toxic than CO) released from landfill/dumpsite
- Burning at landfill
- Open burning



CURRENT TECHNOLOGY & SOLUTION

ENVIROAsher

LANDFILLS

Addressing environmental issues like water source contamination caused by poisonous leachate from the poorly designed & managed landfills

Currently, 17 open landfills are safely closed. KPKT plans to safely close all open landfills and replace them with a regional sanitary landfill and transfer stations.

In the 12th Malaysia Plan (2020- 2025), KPKT plans to safely close 14 non-sanitary landfills.

Presently, only 21 landfills are sanitary, while 117 are non-sanitary.

The Malaysian Reserve <https://themalaysianreserve.com/2020/06/22/kpkt-six-wte-plants-planned-towards-2025/>

CURRENT TECHNOLOGY & SOLUTION

INCINERATION PLANT

- ENVIRONMENT & AIR POLLUTION ISSUE
- VERY COSTLY
- REQUIRE BIG SPACE
- HIGH OPERATION COST
- HIGH MAINTENANCE COST
- SITUATED IN NEAR URBAN AREA
- BANNED IN MANY COUNTRIES
- REQUIRE BIG SPACE, HIGH CAPEX & OPEX (WASTE TO ENERGY INCINERATORS)



Environmental
Pollution



A conveyor belt carries mixed plastic to an optical sorter.
PHOTOGRAPH BY RANDY OLSON, NAT GEO IMAGE COLLECTION

ENVIRONMENT | PLANET OR PLASTIC?

Is burning plastic waste a good idea?

Many within the trash industry think so. But incineration and other “waste-to-energy” projects may pose dangers to the environment.



PowerTechnology

Latest Analysis

Analysis

How will waste-to-energy incinerators factor into energy mixes?

Matthew Farmer | 15 June 2020 (Last Updated June 15th, 2020 17:30)

Academics at the University of Birmingham have published a report on how waste-to-energy incinerators are expected to grow in Europe and beyond.



“Not sustainable - even in the short term”

However, the resulting pollution from incinerators is often a cause for public objections. The report found British incinerators produced electricity at more than double the average rate of pollution. The report continues: “This is hardly the industry’s fault since it doesn’t control the composition of society’s waste, but nor is it sustainable - even in the short term.”

Malaysia’s Environment Minister has announced that the country is sending 42 containers of illegally imported plastic waste back to the UK. Malaysia has recently sent back 3,737 tonnes of waste back to 13 countries, including 43 to France, 42 to the UK, 17 to the US, and 11 to Canada. Jan 21, 2020



www.britishplastics.co.uk › Environment › malaysia-retur...

Malaysia returns 42 containers of plastic waste to the UK ...

your life
does not get better
by **CHANCE**
it gets *better* by
CHANGE



PPPOverseas



LANDFILL – ENVIRONMENT POLLUTION



INCINERATOR - AIR POLLUTION & HIGH ENERGY ⚡



Simply this.



verseas

#trash2ash 4%



No need for segregation or pre-sort

Minimal to nil segregation work

is required. Trash can be loaded into the Asher and treated as is.

Non-hazardous Discharge, No Secondary Contamination

Safety & Green Certificate :



Can be re-purposed for road making & material filing..

PROverseas

ZERO accelerants
NO Sorting/Segregation
Inert & Non-Toxic
Soil Conditioner (Fertiliser)
60 minutes

Safety & Green Certificate :



Complies Fully to the US EPA Standards

Safety & Green Certificate :



Safety emission reports from SGS, SIRIM, EXOVA, PONY & SUCOFINDO...

FOR Overseas

**Automated
Plug-n-Play
Quick to Install**



Simple & quick on-site set-up

(only electrical connection/ solar-powered & water source)..

THE ASHER

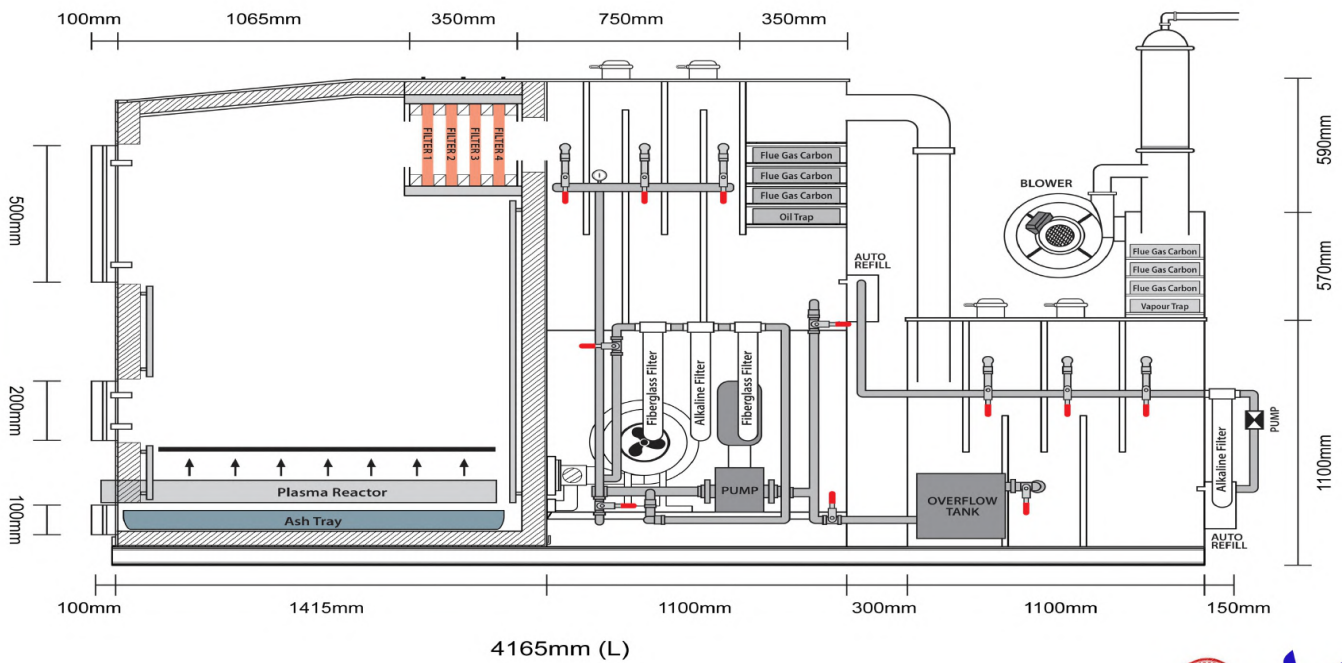
ENVIROAsher

Robust & Sturdy



overseas

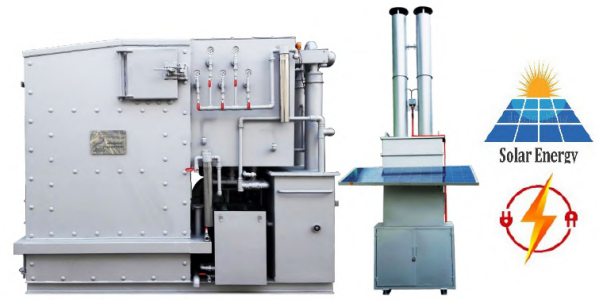
ENVIROAsher



Model No. : R840-1T
 (H) 2260mm x (W) 1800mm x (L) 4165mm



ENVIROAsher



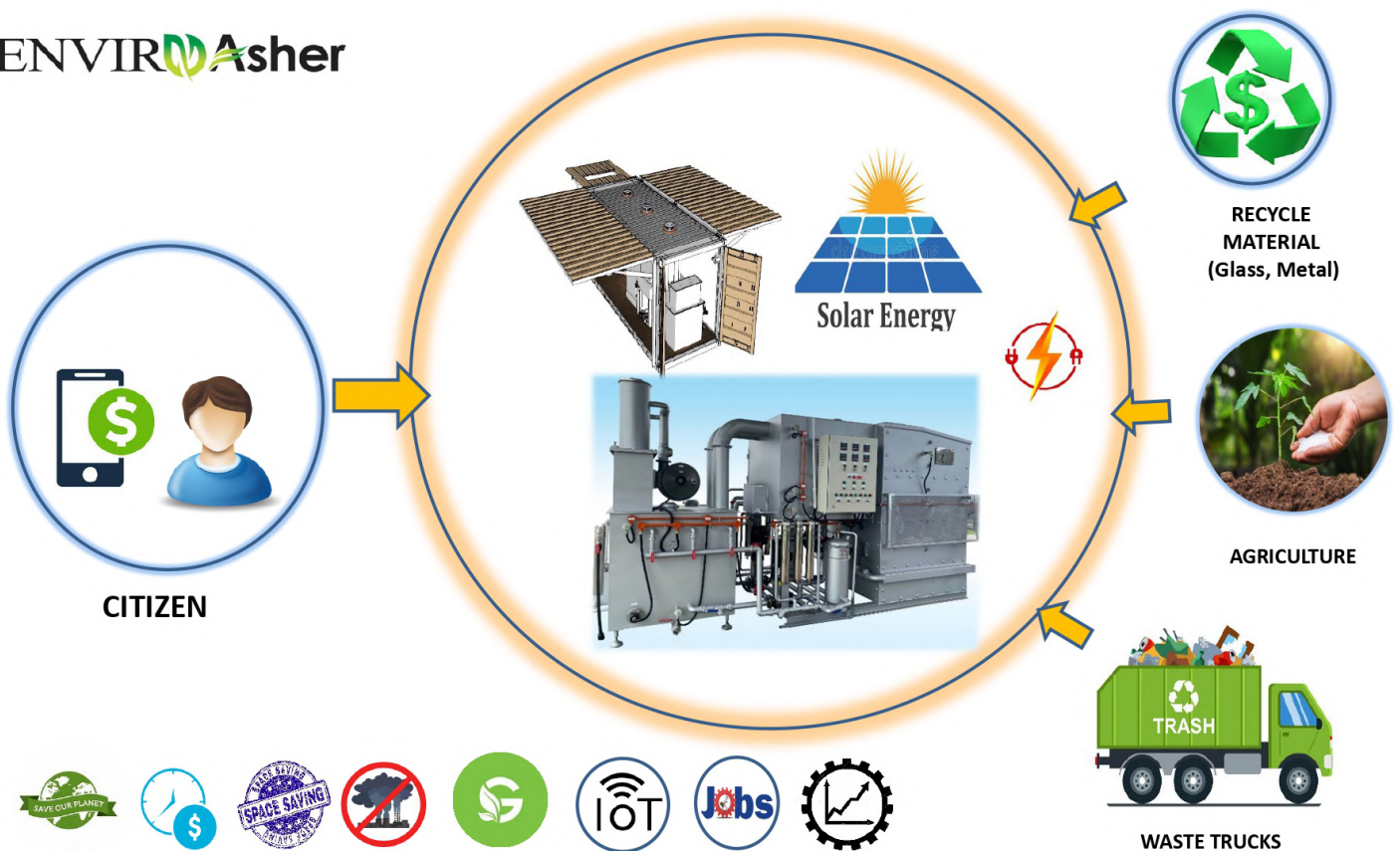
Safety & Green Certificate :



<p>NO FUEL</p> <p>Solar or Electricity</p>	<p>NO AIR POLLUTION</p> <p>No Flying Ashes</p>	<p>NO WATER POLLUTION</p> <p>No leachate</p>	<p>SPACE SAVING</p> <p>100% Solid Waste to 4% of ashes, space saving up to 25 times</p>	<p>DECENTRALIZATION</p> <p>Prevent malfunction of ONLY one machines, save logistic cost and time</p>	<p>Smart IOT - Big Data Collection</p> <p>Big data collection, easier for government statistic and managements</p>	<p>ZERO CAPEX – LEASE to OWN</p> <p>ZERO capex and REDUCE OPEX</p>
---	---	---	--	---	---	---

PPW overseas

ENVIROAsher



CONCEPT OF WASTE RECYCLE MANAGEMENT STATION

ENVIROA^{sh}er

COMMUNITY

- ❑ Extra income for the waste to cash (E-wallets)
- ❑ Convenience to throw the unwanted / used electrical
- ❑ Charity for the clothes
- ❑ Education for schools

WASTE MANAGEMENT COMPANY

- ❑ Minimize logistic expenditure & congestion
Less big trucks on the road, less congestion.
- ❑ Less mileage on the vehicle, less maintenance.
- ❑ Less trips to landfill, higher productivity

LOCAL MUNICIPAL

- ❑ Improve quality of life of the community & area
- ❑ Extra income for local municipals



overseas

ENVIROA^{sh}er

• Minimize logistic expenditure & congestion –

- ✓ It can be placed either at big sub-division or centralized at village level, smaller garbage collection vehicle is sufficient to do the task.
- ✓ Less big trucks on the road, less congestion.
- ✓ Less mileage on the vehicle, less maintenance.
- ✓ Less trips to landfill, higher productivity





The centres and lorries will buy-back 20 types of recyclables

- Newspapers (RM0.25/kg)
- Magazines (RM0.25/kg)
- Black and white paper (RM0.33/kg)
- Boxes (RM0.30/kg)
- Mixed paper (RM0.20/kg)
- Aluminium (RM2.30/kg)
- Tin (RM0.30/kg)
- Plastic (RM0.35/kg)
- Tetrapak (RM0.30/kg)
- Used cooking oil (RM1.10/kg)
- Car battery (RM1/kg)
- CPU (RM5.00/unit)
- Monitor (RM4.50/unit)
- Notebook/laptop (RM3.50/unit)
- Server (RM15/unit)
- Printer (RM3/unit)
- Television (RM4/unit)
- Refrigerator (RM4.50/unit)
- Microwave (RM3/unit)
- Vacuum (RM1.50/unit)



Where to put ENVIROAsher?

Centralize



Current Dump Sites

Decentralize Solution



- housing area



- industrial area

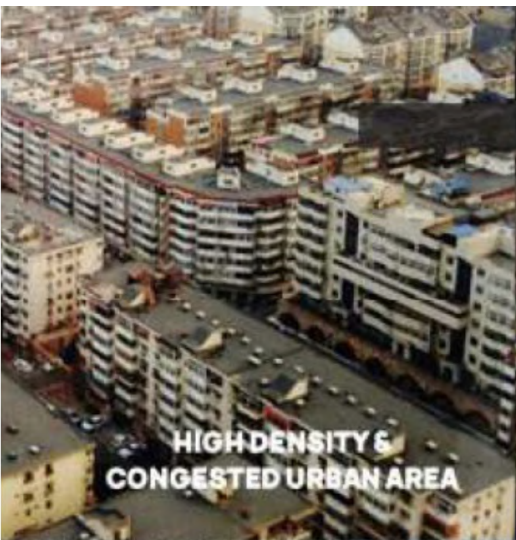


- Hospital



- Condominium / Apartment / Hotels



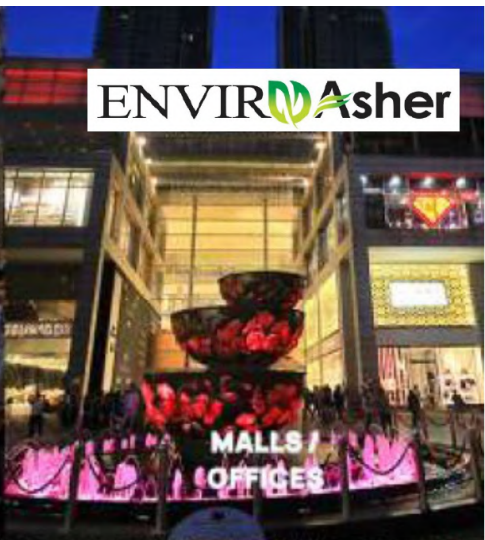


HIGH DENSITY & CONGESTED URBAN AREA



TREATMENT AT SOURCE

MARKETS / BAZAAR



ENVIROAsher

MALLS / OFFICES



RURAL & MOUNTANIOUS AREAS



E-WASTE



POULTRY FARM

overseas



LARGE PREMISES LIKE AIRPORTS, STADIUMS, HALL & ETC.



CLEARING UP OLD DUMPSITE OR LANDFILLS



ENVIROAsher

PLASTIC? NO PROBLEM



POST DISASTER RECOVERY & REBUILD



ALL ISLANDS

ENVIROAsher

Eco Waste Composter



CLINICAL WASTE



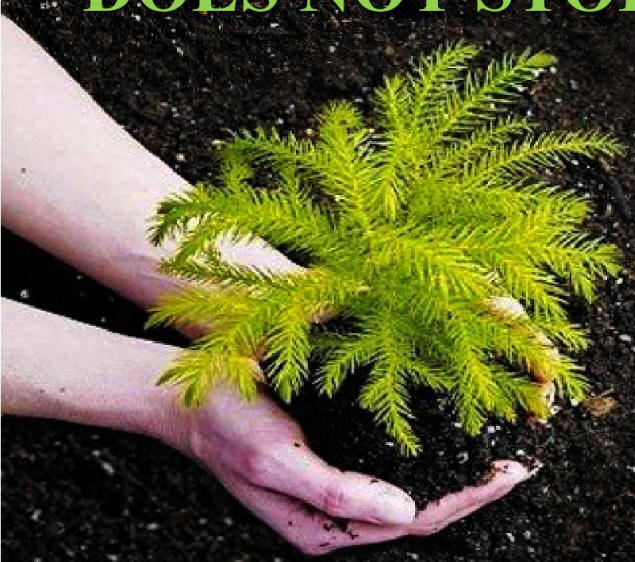
FOOD WASTE

Stop feeding the landfills
Feed the hungry ones



ENVIROAsher

**THE GOODNESS
DOES NOT STOP HERE**



**YOU CAN
USE ASHES
FROM THE
WASTE TO
GENERATE YOUR
SECOND
INCOME**

ASHES PROVE TO BE VERY USEFUL



Can be turned into multiple products

PRO ^{verseas}



100% of solid waste to only 4% of ashes

**Convert 38,000 TONS of DAILY SOLID WASTE
1,520 TONS OF ORGANIC FERTILIZER PER DAY?**

**1,520 TONS X RM 1.00/KG = RM 1,520,000/ DAYS
UP TO 554,800,000 ANNUALLY**

We have the Answers for a Cleaner, Greener Tomorrow.



Can landfills lifespan be prolong?

ENVIRO ASHER is on the leading edge of clean and efficient conversion technology. ENVIRO ASHER patented process is a more efficient, more reliable and less capital intensive method to Incinerate Municipal Solid Waste (MSW) without using any fuel or gas and can recycled the incinerated waste ashes into organic fertilizer.

ENVIRO ASHER can be places at every corners, occupying a small working area. No more transporting of MSW to landfills. For every 2 tons of MSW, after incinerating the leftover is only 4% or 80kgs of ashes. If send to landfill, only 80kgs of ashes instead of 2 tons MSW. Therefore, the landfills lifespan could be prolong.

Can greenhouse gases be reduced?

ENVIRO ASHER reduces greenhouse gas emissions in two ways.

First, the ENVIRO ASHER process produces far lower CO2 and NOX emissions than incinerator. Second, landfills are a major source of methane emissions which, on a pound for pound basis, have 21 times more greenhouse gas effect than CO2 that comes from the EWC process. No more health risk to children and adults at dumpsite for collecting recyclable things.

Is total recycling achievable?

Yes, whatever waste that is recyclable is recycle and those that is not recyclable will be place in the ENVIRO ASHER to incinerate it. Every non-recycle waste is thrown into the chamber to be incinerated and converted to ashes to mixed with sawdust and as saleable organic fertilizer.





2-Tonne Solar in Sg Petani Kedah (operated by kampung folks)

ENVIROAsher

overseas

Rubbish landfill or ORGANIC FARM ? Great jobs for Pawang, Kedah.



ENVIROAsher

EXCELLENT JOBS FOR MBSA, SHAH ALAM



overseas

ENVIRO Asher



Cambodia

SOLUTION FOR INSUFFICIENT LAND & SMELLY LANDFILL ISSUE
The output is ONLY 4% of the usable ashes, will be used for fertilizer.



Aug 18



After Mar 19



Apalit Landfill in
Papamga, Philippine

ENVIROAsher

PROverseas

ENVIROAsher



武汉
Wuhan, China



Quality living environment

- Garbage can be cleared everyday.
- No more smelly dumpsite and scavenging.

Safety Standard

- ❖ Smoke emission and ashes tested by
 - SGS
 - MYCO2 (TCLP & Air Emission) - (Malaysia DOE)
 - Exova (Dubai, UAE)
 - PONY (China)
 - SIRIM – Malaysia (TCLP & air emission)
 - CRL Environmental Corp (Philippines)
 - SUCOFINDO (Indonesia)
- ❖ All results comply to international, US EPA and Clean Air Act



ABU SAMPAH JADI BAJA
 31 March 2019 Buletin Utama, TV3 <https://www.youtube.com/watch?v=8IU90XrftL4&t=26s>
 Berita TV9 <https://www.youtube.com/watch?v=pESRjycntjk>

GOOD RIDDANCE TO BAD RUBBISH
 10 June 2019 The Star <https://www.thestar.com.my/business/smebiz/2019/06/10/good-riddance-to-bad-rubbish/>

八点最热报 08/09/2019 仁嘉隆垃圾山已清除 4千吨塑料垃圾去了哪？
 8 September 2019 ASTRO AEC https://www.youtube.com/watch?v=0n_Wgfm5_is&feature=youtu.be



PROverseas

ENVIROAsher

ALL WINNER?



COMMUNITY



WASTE
MANAGEMENT
COMPANY



ENVIROAsher



GOVERNMENT



PLANETS

SECTION 2



ASHES TO GREEN

ENVIRO FARM
 ENVIRO FRESH

PPPOverseas



Organic Aquaponic



Rock Melon



Lettuces

ENVIROAsher
greenhub
 Enabling Sustainable Communities

CLUB HOUSE



Kids Education / Awareness



Golden Family Time

SECTION 3



GREEN TO BETTER COMMUNITY

ENVIRO O2O
 ENVIRO VENTURE
 ENVIRO EDUCATION TOUR



ONLINE | OFFLINE | DISTRIBUTION

ENVIRO FRESH



ENVIRO FRESH EXTRACT / CAPSULES / DRY



BUATAN MALAYSIA
 MADE IN MALAYSIA



BRANDING



MOBILE WELL-PACKED VEGE



VENDING MACHINE



CHILLER



overseas



BUSINESS MODEL



goals

exchange

COLLABORATION

teamwork • success • inspiration





JOINT MANAGEMENT PARTNERSHIP

ENVIROAsher



- Facilities (hardware & software) Investments
- Management & Operation
- Facilities Maintenance
- Business Development - O2O concept
- Social media marketing
- Logistic & Delivery – Door to door services (3rd Party)

- Land allocation
- Authority approval
- Leasing
- Marketing / Social Media Marketing/Campaigns
- Education awareness



Thank you



ENVIROAsher

CLEANER & GREENER,
'BERSIH LAH' OUR EARTH.