

WHAT TO DO FOR WATER TODAY

Need to create a NEW WATER SOURCE

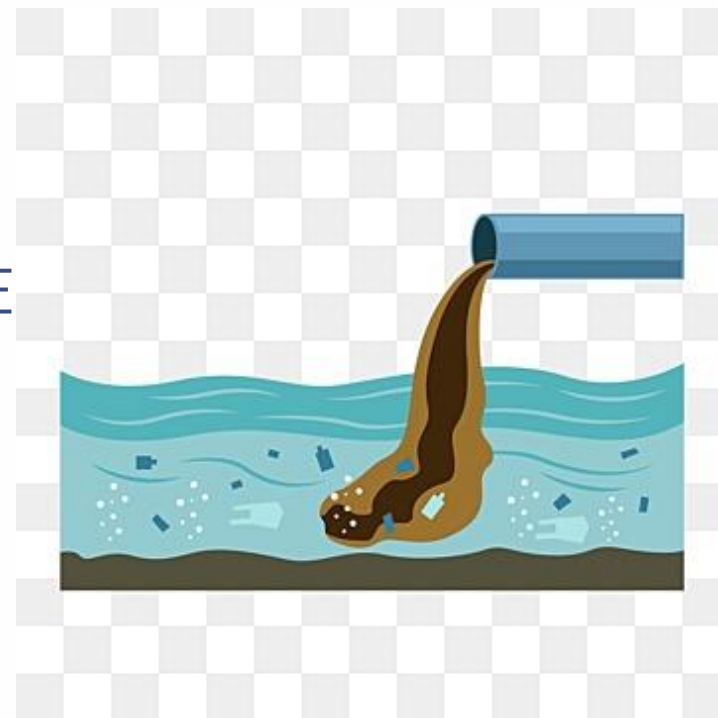
Adopt WATER RECOVERY FROM SEWAGE



WHAT ARE WE FACING

*MEASUREMENT OF SEWAGE
BEING UNTREATED

80%



INFANT AND TODDLER DEATHS

360,000/year, especially under the
age of 5

POOR HEALTH AND SANITATION PARAMETERS

4.4 BILLION , don't have access to
clean and safe water



ECOLOGICAL DEGRADATION WEATHER CONSTRAINTS

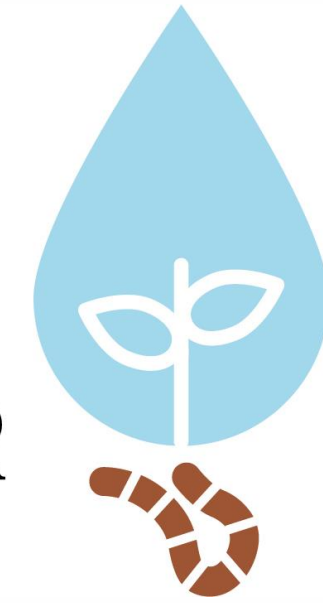
- Devastating typhoons
- Degraded coastal environments
- Human displacement
- Greenhouse gas emissions
- Environmental refugees
- Deforestation
- Raising sea levels





SOLUTION

ABSOLUTE VERMI-FILTER



INDIA'S FIRST EVER **100% ORGANIC AND GREEN** WATER RECOVERY SYSTEM
THAT CONVERTS SEWAGE TO THE LEVEL OF DRINKING WATER

ABSOLUTE VERMI-FILTER



HOW DOES IT WORK ON

1
PLANET

2
PEOPLE

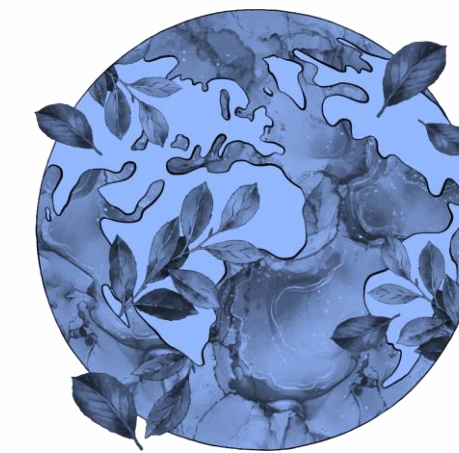
3
PROFIT

4
IMPACT

PLANET

Problem statement

Soil degradation, compromised fresh water supply and degradation of ecosystems



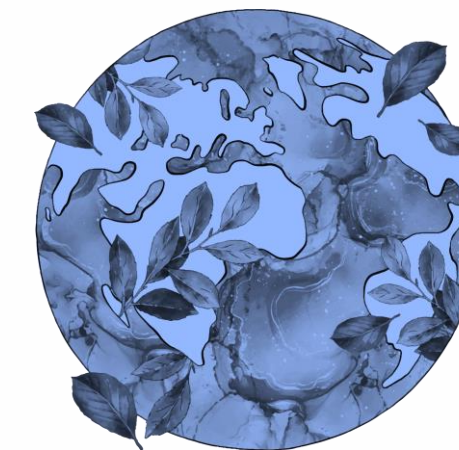
Addressing

High nutrient treated water builds a healthy ecosystem , improved soil conditions, thriving flora and fauna and healthy aqua culture

PEOPLE

Problem statement

Decreasing levels of groundwater, pollutant leaching, decreased health and sanitation, Covid virus strains identified in wastewater streams, food systems compromised.



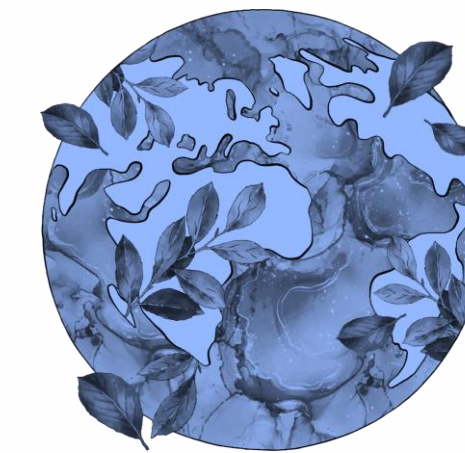
Addressing

Green treatment of water recovery , deployment of Ozonation as a natural disinfection system, organic media replenishment converts into high quality soil conditioner.....new water source

PROFIT

Problem statement

Expensive forms of treatment, limited ROI benefits, post earnings of treated water limited due to restrictive use of treated water

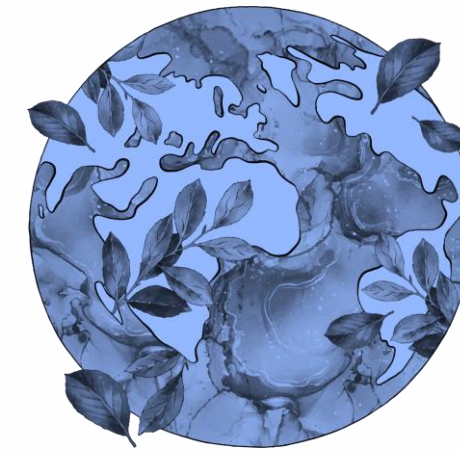


Addressing

All aspects of the system have financial validity from selling treated water due to extensive uses of treated water to sale of replenished media being a green alternative to fertilizer

IMPACT

Maximum usage of treated water in horticulture, irrigation, toilet flushing, car washing & construction activities.



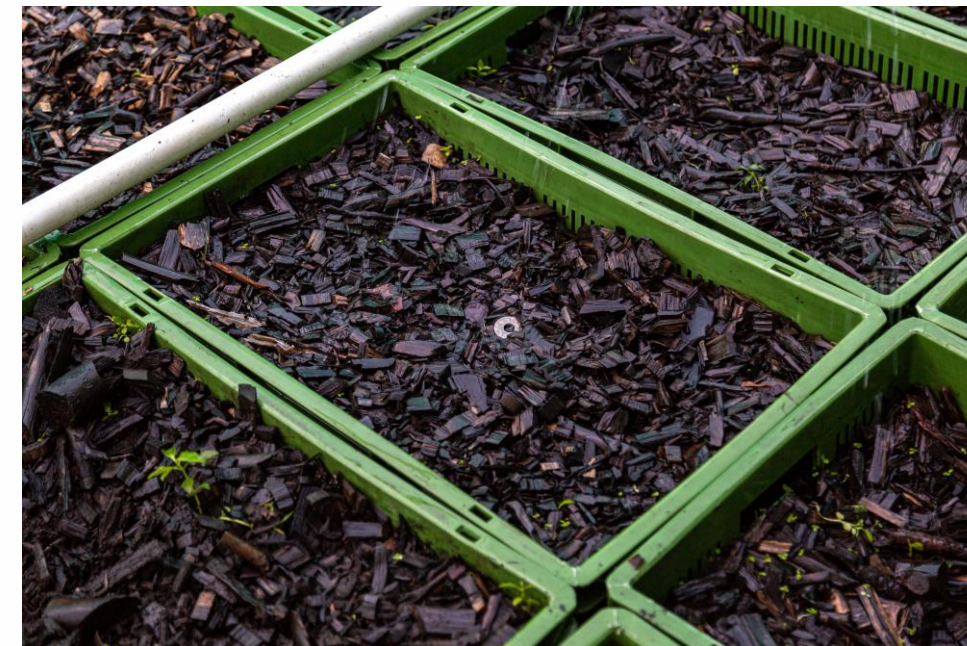
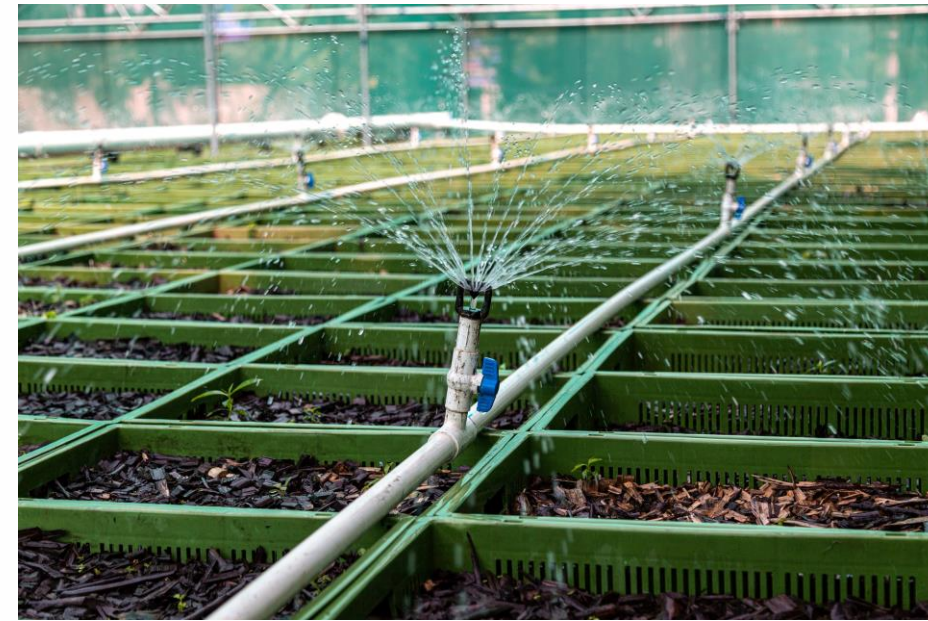
Unlimited supply of clean & safe water in a 100% organic and natural way.

Mitigating groundwater usage by 75%

Converting a massive and accessible pollutant into a green and potable product

HOW DO WE DO IT

Works on the principle of Vermi-filtration where specially bred worm species and a mix of bacteria act on the suspended and dissolved solids in the raw Sewage and biologically degrade in an environmentally safe manner.



THE SIMPLICITY OF IT ALL

Vermiculture (*specialty bred worms who absorb micropollutants*) + Organic and inorganic media



Treated water use: Agriculture/Horticulture/Ground water rejuvenation/Water body Revival



Organic Advanced Treatment



Treated water use : Toilet Flushing/AC cooling/Washing/Laundry



Advanced Membrane Treatment
Treated water use: Drinking/Handwashing/Cooking/ Bathing

PARAMETERS ACHIEVED

Treated Water Characteristics :AWPL VERMI-FILTER			
S.No	PARAMETERS	UNITS	VALUES
1	pH	s.u.	6.5 - 7.0
2	TSS	mg/l	Up to 10
3	BOD	mg/l	Up to 10
4	COD	mg/l	Up to 50
5	Oil & Grease	mg/l	Up to 05
6	Fecal Coliform	MPN/100 ml	100

USP

EASE OF USE	INNOVATION	OTHER UTILITY INTERACTION POINTS
Design based on gravity therefore unskilled/uneducated person can operate easily	100 % Green STP without any chemical usage & Non –RO in nature.	Under Patent and trade mark processing
Due to low power requirement, it can also be catered via solar panels	No pretreatment is needed	Maximum usage of treated water in horticulture, irrigation , toilet flushing, car washing & construction activities.
Non existent of pumps/motors therefore equipment footprint is least	No sludge management is required	Scalability via our 3 variant that do not create any hurdles to available space constraints

TECHNOLOGY MODEL VARIANTS

○ Variant- 1 : Civil Unit



CAPACITY : 100 KLD – 2 MLD

The footprint of our AWPL Vermi-Filter is very small in comparison with other available green technology.

Units Installed: 17

○ Variant- 2 : Modular Unit



CAPACITY : 20 – 50 KLD

- Meets space constraint issues
- Runs on Solar
- Suitable to cater small villages, housing colonies, and localized treatment plant

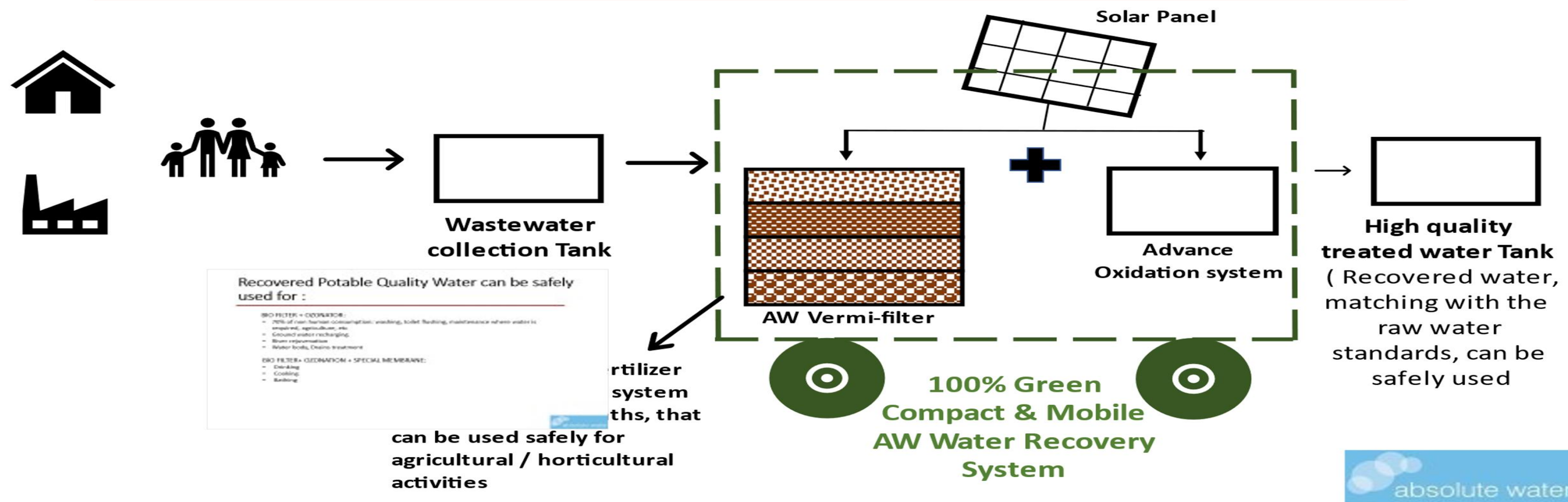
Units Installed: 8



TECHNOLOGY MODEL VARIANTS

Variant- 3 : Mobile Unit

How does it works?



HOW ARE WE DIFFERENT

COMPETITION

- WETLAND
- PHYTOREMEDIATION
- REED BEDS
- BIO CUBE
- MBBR
- SBR
- REVERSE OSMOSIS

- NO CHEMICALS.
- LESS FOOTPRINT
- NO SLUDGE GENERATION
- RESISTANT TO EXTREME WEATHER
- MINIMAL ELECTRICITY - SOLAR POWER
- 100% CONVERSION
- MINIMAL OPERATION AND MAINTENANCE COST
- NO NOISE - NO ODOUR
- RESISTIVE TO EXTREME WEATHER
- SHORTEST STABILIZATION TIME - SHOCKLOAD CONDUCIVE
- WORKS IN TEMPERATURE RANGING FROM 2 C TO 55 C.

IMPACT OF INSTALLATION

WATER

- 8 Million Litres Of Sewage Being Treated Daily
- 75% Reduction In Ground Water Usage

COMMUNITY

- Improved and Increasing levels towards health and hygiene
- Diminishing Numbers of juvenile deaths caused by water-borne diseases
- Employment And Ownership For The Under skilled and Under Educated
- 70% Reduction On Water-related Bills

CLIMATE

- Construction Use
- Positive Health And Growth Of Flora, Fauna, and Aquaculture.
- Access To Drought Ridden and Tough Topography Areas
- Meets 6 Sustainable Development Goals
- Impacts Positive Action On Climatic Impact

GROWTH

25 installed plants 2023
50 plants 2025
100 plants 2030



Our technology has been designed to future-proof ourselves for global usage.

The real reason for AWPL is to create a **New Water Source** globally

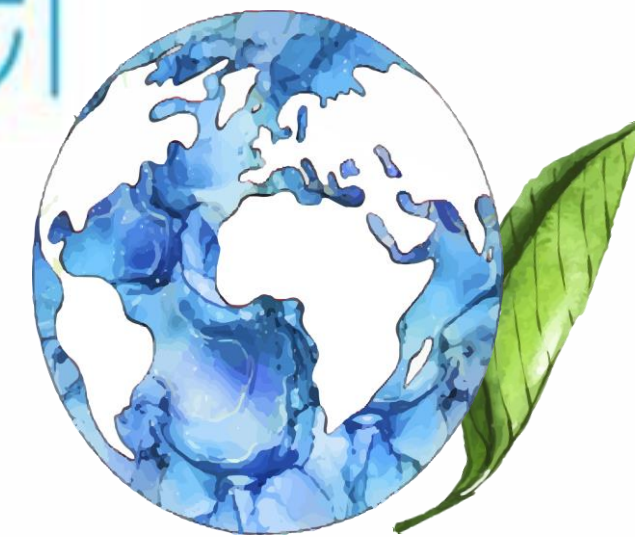
WHAT IS OUR GOAL



Value based approach to our operations , business thesis and strategic direction which drives our company's triple bottom line-
PEOPLE, PLANET AND PROFIT



absolute water



WE MAKE EVERY DROP COUNT
