



**ECOLOGICAL SOLUTIONS
FOR
GLOBAL PROBLEMS**

PePo © Urine Diverting Dry Toilet (UDDT)

Solving sanitation woes



PePo©

Solving sanitation woes

What is the need for a stand-alone UDDT toilet?

The world is facing a global ecological and economical disaster every single day of the year. More than 2,000,000,000 (two billion) people open defecate every day due to the fact that they do not have a toilet or toilet system. This leads to an ecological and health catastrophe on a global scale, *daily*. Feces and urine leach into the sea, rivers, into groundwater and onto land, on railway tracks, gutters and fields.



Disease bearing pathogens are carried on feet and hands back to people's homes, restaurants, hospitals, offices and schools, leading to sickness, diarrhea and death, especially in infants. The dreadful truth is, a child dies every 15 minutes due to sanitation related sickness. (WHO/UNICEF)

Women & young girls especially suffer the indignity of having to defecate in the open. Young girls are often spied upon and raped when making a late night nature call. In India – ladies are now demanding a modern toilet as part of their dowry. The cost to India alone in lost days at work and for medication is billions annually.

This is a global problem – there are several solutions – the PePo © toilet is one such solution

INTRODUCING PePo ©



PePo © offers a practical, economic and ecological solution to a global problem . Not only does it offer a solution to the problem, PePo © turns potentially toxic human waste into two separate vital by products, NPK (*urine*) and Humus (composted human feces) simply by separating them at source.



PePo®, **immediately** impacts the environment by not producing toxic waste and literally restores the balance of nature by returning vital ingredients to the soil after composting for growing organic vegetables.

What Are The Benefits of Using PePo © ?

BENEFITS OF USING PePo ©

Plug & Play : Mobile : Lightweight : Small footprint : Waterless

Easy to use – intuitive – comfortable

Sit or Squat (choice of toilet seat or squat-pan)

Caters for the old, infirm, disabled and pregnant

No mechanical parts

Easy removal of top for easy cleaning

Almost odorless (nitrogen is trapped by formula)

No plumbing required

No pit or concrete base required : huge savings in cost and labour

Creates vital by-products: humus and NPK

Can be produced in vast quantities

Economies of scale / Economical / Affordable

Immediate impact on ecology

Improved health

Zero bio hazard – no vectors

Secure : Dignified : Hygienic

Low or no maintenance costs

Potential profit from by-products

Culturally acceptable – with education

Flood resistant; preventing bio hazard

Can easily and immediately be transported to refugee camps and disaster areas in large quantities

No **odious** emptying tasks due to compostable bag

Designed around human ergonomics

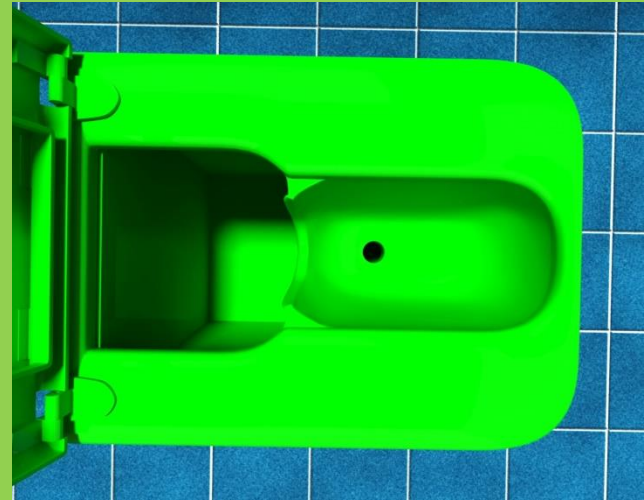
Purpose built feces & urine tanks (not a bucket)

Does not require costly specialized tankers to empty waste

Does not require high capital investment for tankers & treatment centers

Does not require large plots of land for fecal sludge treatment that may become a biohazard

Potential for composting by householder or via community collection service



PePo© Solving sanitation woes



PePo © spent two years in the research and development stage.

We now have a life size model in fibreglass and a scale model made on a 3D printer

As part of our bigger program of creating independent, healthy, self-sustainable communities, we are now seeking funding and support from an NGO or ORG in the sanitation sector to take it to full production stage.

THERE IS A GLOBAL MARKET OF OVER 2 BILLION END USERS

CALL NOW FOR MORE INFORMATION

info@eco1solutions.com

