

Safe Containment of Faecal Matter Until Dry





PURPOSE OF THE ZerH₂O TOILET

- Completely eliminates the use of water in sanitation infrastructure.
- Provides safe containment and drying (sterilising) of human faeces.
- Acts as in-house toilet for families (maximum 6-10 users per unit).
- Creates entrepreneurial opportunities in communities.

BENEFITS OF THE ZerH₂O TOILET

The Zerho Toilet provides cost-effective and acceptable sanitation where water-borne sewerage is not a viable option; and where no water supply-and waste management infrastructure exists.

It is an eco-sensitive replacement for pit-, composting-, and chemical bucket latrines; using only air flow and solar heat to dry the solid waste and dispose of odours.

The resultant Toilet Resources are used as feedstock for earth worm trenches; and the resultant compost is used for regenerating soil for community gardens that focus on Food Security.

- Manufactured of a hardy, durable plastic material – polyethylene
- Sustainable use for up to 50 years
- Most top
 structures can
 be adapted to
 house the
 ZerH₂O Toilet



- Water saving & Environmentally friendly
- Safe for all users
- No Sludge
- No water used for cleaning
- Solar drying
- Low maintenance
- Easy manual operation



DIMENSIONS OF UNIT: 160cm diameter x 90cm high x 85kg



- quickly installed
- savings on labour and time
- portable

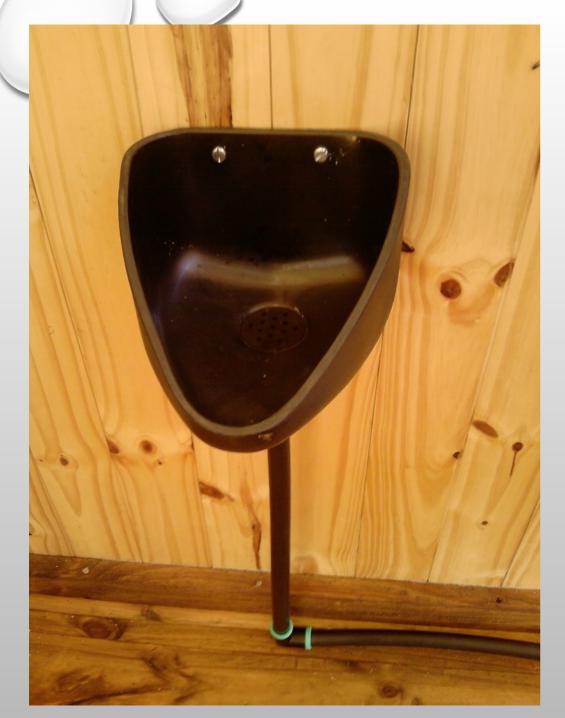
Any structure, any soil, small spaces











Urine Diversion



The toilet pan has a urine diversion, which routes the urine to a simple soak-away. A separate male urinal is also supplied.

IMPACT

- Groundwater contamination is eliminated.
- NO SLUDGE saving on all costs and actions associated with removal and safe disposal of faecal sludge.
- Uses NO WATER for operation A water-flush toilet uses on average 7000 litres per person per annum to flush an average of 50kg of faecal waste and 500 litres of urine.
- Monetizing the toilet resources often overcomes the resistance to the subject of human waste; and adds value to the community's microeconomy.
- Potential for job creation in local communities; specifically focused on women empowerment.

The Zerho Toilet is sealed and compact, needs minimal excavation and is retro-fitable



Zerho exhibit at CSIR, Pretoria.



Zerho installation at Siyakhana Gardens, Jhb.



Client installation in Midrand, Gauteng.

ONCE-OFF COST PER INSTALLATION

Ex-works Pretoria, South Africa = ZAR10 000 per unit

Toilet unit only

= ZAR10 000. USD/EU625 (at 1:16)

Toilet With top structure Full installation

= ZAR25 000.

USD/EU1562



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