



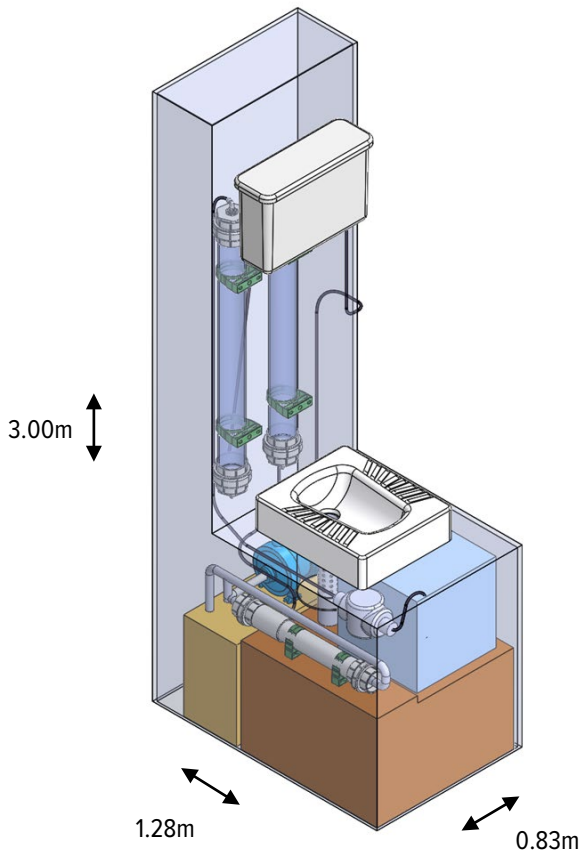
Waste to Clean Water

Packaged SURT

Description

The Packaged Single-User Reinvented Toilet (SURT) is a complete self-contained waste management system designed to treat blackwater to ISO 30500 standards.

The system provides full liquid treatment and recycling. Solids are contained with annual servicing or other volume reduction options.



Wastewater before
and after treatment

Features

Use cases refugee camps, informal settlements, household

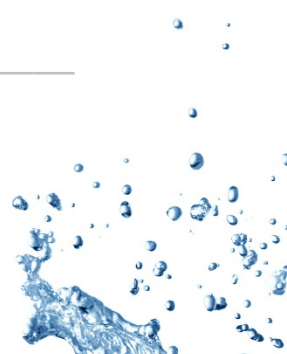
Capacity 500 L/d (50-85 uses/d, depending on flush volume)

Energy 5 kWh/d with typical family use (~25-30 uses/d)
10-12 kWh/d at capacity

Current BOM 5000 USD

Projected Cost* 500-1000 USD

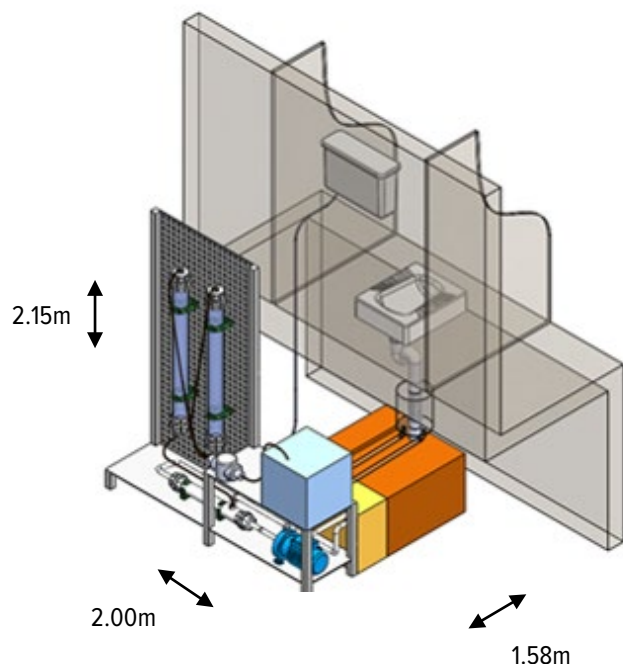
*Estimate based upon value engineering at quantities >100K





Waste to Clean Water

Retrofit SURT



Description

The retrofit Single-User Reinvented Toilet (SURT) is a complete self-contained waste management system for extant superstructures. The system is designed to treat blackwater to ISO 30500 standards.

The system provides full liquid treatment and recycling. Solids are contained for annual servicing or other volume reduction options.

Features

Use cases

dorms, communal ablution blocks

Capacity

500 L/d (50-85 uses/d, depending on flush volume)

Energy

5 kWh/d with typical family use (~25-30 uses/d)
10-12 kWh/d at capacity

Current BOM

4500 USD

Projected Cost* 500-900 USD

*Estimate based upon value engineering at quantities >100K

Wastewater before
and after treatment





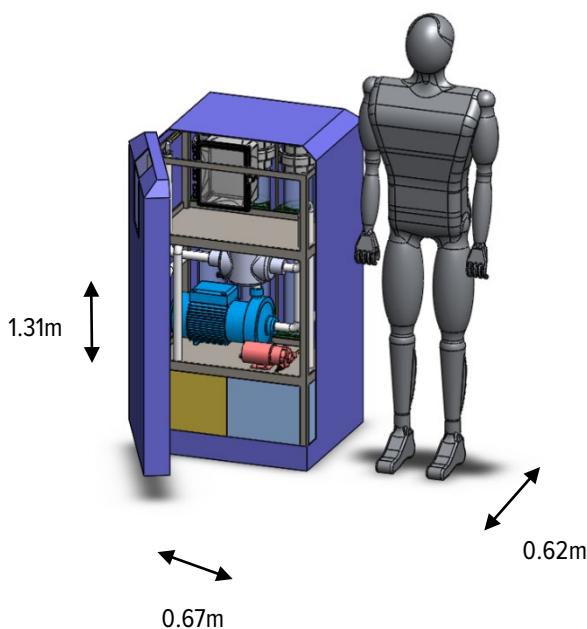
Waste to Clean Water

Reclaimer V2 Liquid Treatment Module

Description

The Reclaimer V2 Liquid Treatment Module is an ultra-compact, automated liquid waste treatment system designed to treat blackwater to ISO 30500 standards.

The system provides full liquid treatment and enables water reuse and/or safe discharge. Can be combined with solids treatment, anaerobic digestors, septic.



Features

Use cases household, mobile treatment

Capacity 500 L/d (50-85 uses/d, depending on flush volume)

Energy 5 kWh/d with typical family use (~25-30 uses/d)
10-12 kWh/d at capacity

Current BOM 4000 USD

Projected Cost* 500-800 USD

*Estimate based upon value engineering at quantities >100K

Wastewater before
and after treatment





Waste to Clean Water

MURT

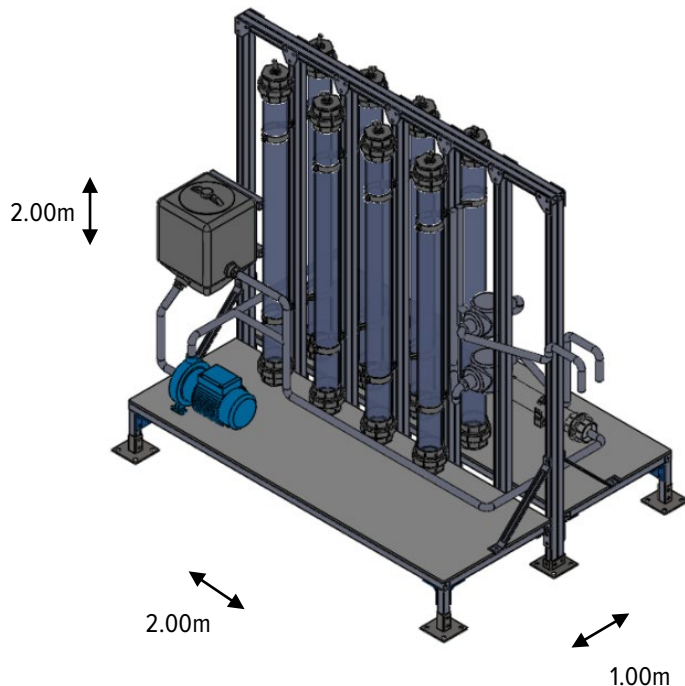
Description

The Multi-User Reinvented Toilet (MURT) is a complete self-contained waste management system for multiple toilet facilities designed to treat blackwater to ISO 30500 standards.

The system provides full liquid treatment and recycling. Solids are contained for annual servicing or other volume reduction options.



Wastewater before
and after treatment



Features

Use cases

public toilets, multi-family housing, informal settlements, communal ablution blocks

Capacity

1500 L/d (350-400 uses/d, depending on flush volume)

Energy

36 kWh/d at capacity

Current BOM

7000 USD

Projected Cost* 800-2000 USD

*Estimate based upon value engineering at quantities >100K

