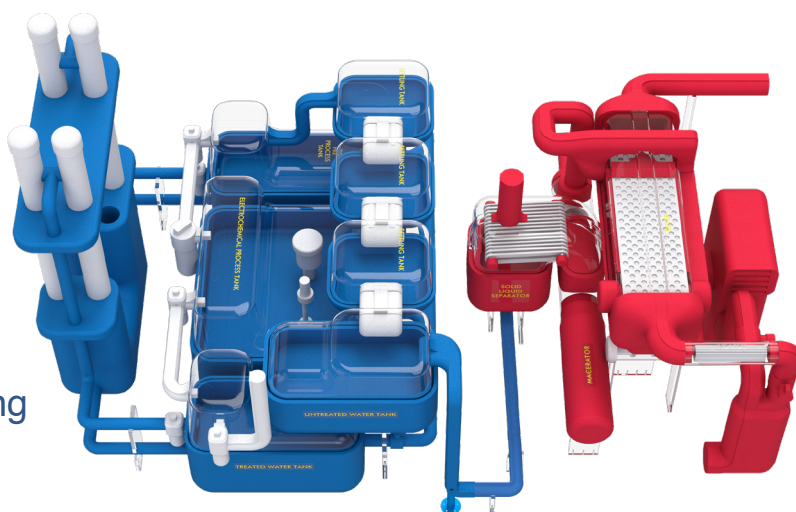


# The Empower Sanitation Platform

The Empower Sanitation Platform is modular and scalable for multiple waste treatment options.

The example shown is for a single community toilet with both liquid recycling and solid processing. The toilet is compatible with pedestal and squat plate styles.

On-site processing includes electrochemical disinfection and recycling of liquids, and drying and sterilization of solids with optional combustion. User amenities may include body wash and hand wash stations, and a menstrual pad dispenser with disposal options.



## KEY FEATURES

- User options developed through four year in-field household and community design studies.
- Liquid processed via active filtration and electrochemical disinfection, meeting ISO30500 discharge standards.\*
- Independent solid and liquid processing modules can be paired with other technologies to create a suite of sanitation products.
- Examples of new products include the Reclaimer, a liquid recycling unit, and S.H.E., a stand-alone menstrual waste management unit.

*\*Phosphorous < 20 ppm in both influent and effluent*

## STATUS OF DEVELOPMENT

- Third generation prototype in active testing in Coimbatore, India, and Durban, South Africa.
- Scalable capacity up to 600 users/day.

## DEVELOPED IN PARTNERSHIP WITH



BIOMASS  
CONTROLS



### For More Information

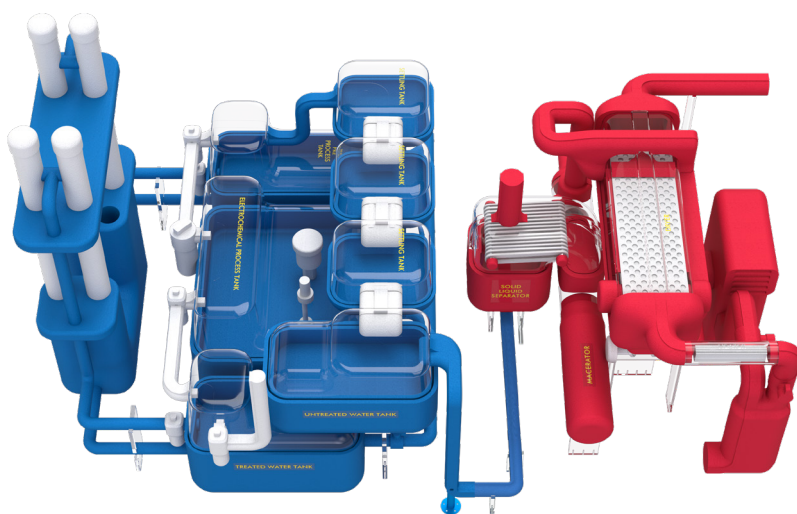
Duke University Center for WaSH-AID  
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# 环境卫生增强平台

赋能环境卫生平台是一种模块化平台，可针对多种废物处理方案进行扩展。

所示示例为同时支持液体回收和固体处理的单个社区厕所。该厕所可安装坐便器和蹲便器。

现场处理包括液体电化学消毒和回收，以及借助可选的燃烧模块进行固体干燥和杀菌。用户便利设施可能包括沐浴间和洗手间，以及带有处置选项的卫生巾自动售货机。



## 主要特点

- 通过四年的实地家庭和社区设计研究，制定了用户选项。
- 通过主动过滤和电化学消毒处理液体，使其符合 ISO30500 排放标准。\*
- 独立的固体和液体处理模块可与其他技术搭配使用，以创造一系列环境卫生产品。
- 新产品的示例包括 Reclaimer（一种液体回收装置）和 S.H.E.（一种独立的月经废物管理装置）。

\*进水和出水中含磷量均低于 20 ppm

## 开发现状

- 在印度哥印拜陀和南非德班对第三代原型进行主动测试。
- 容量可扩展至高达 600 位用户/天。

## 开发合作伙伴



BIOMASS  
CONTROLS



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