

WaSH in Humanitarian and Urban Settings

The humanitarian community is increasingly confronted with long-term protracted crises.

Water, Sanitation and Hygiene (WaSH) solutions that are limited to short-term measures are not appropriate in these settings. There is a need for WaSH solutions that are modular, transportable and resource efficient with low requirements for operation and maintenance.

Providing Sanitation Where it is Needed Most

Biomass Controls has developed a transportable faecal sludge treatment system with a low energy demand. Such solutions are applicable for humanitarian and emergency settings, as well as community settings such as informal settlements in urban and peri-urban areas where pit latrines, pour-flush systems and septic tanks are in use.

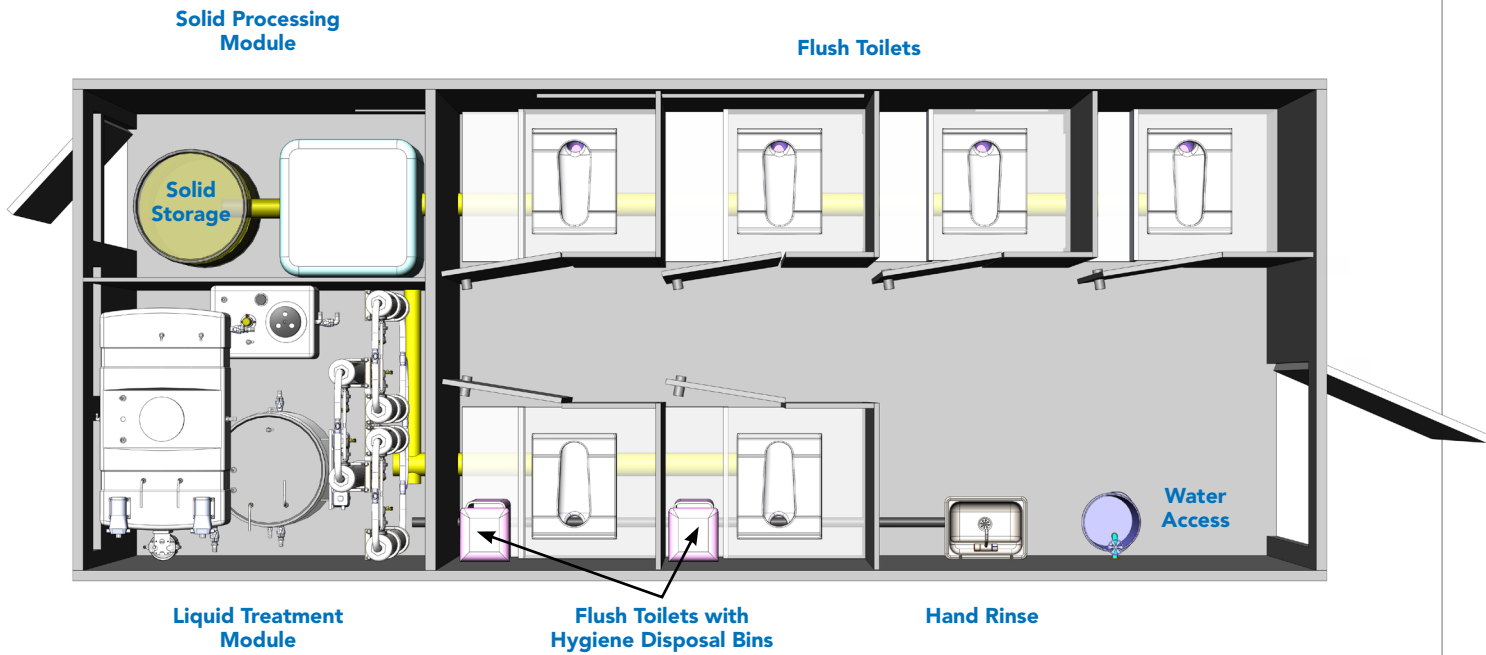
The solution consists of two containerized units:

1. A user facility with individual flush toilets, waste bins, handwashing facilities, water access, liquid and solid treatment.
2. A Biogenic Refinery for thermal treatment of all biowaste including solids from wastewater treatment and hygiene products.



Comprehensive sanitation solutions are needed in support of efforts to alleviate humanitarian emergencies.

User Facility with On-site Treatment



BENEFITS

- The system is engineered to appropriately address the needs of both men and women.
- The treatment system achieves complete on-site treatment while reducing the overall energy and water demand.
- The user facility has a capacity for 400 to 500 persons/day and is scalable due to its modular design.



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