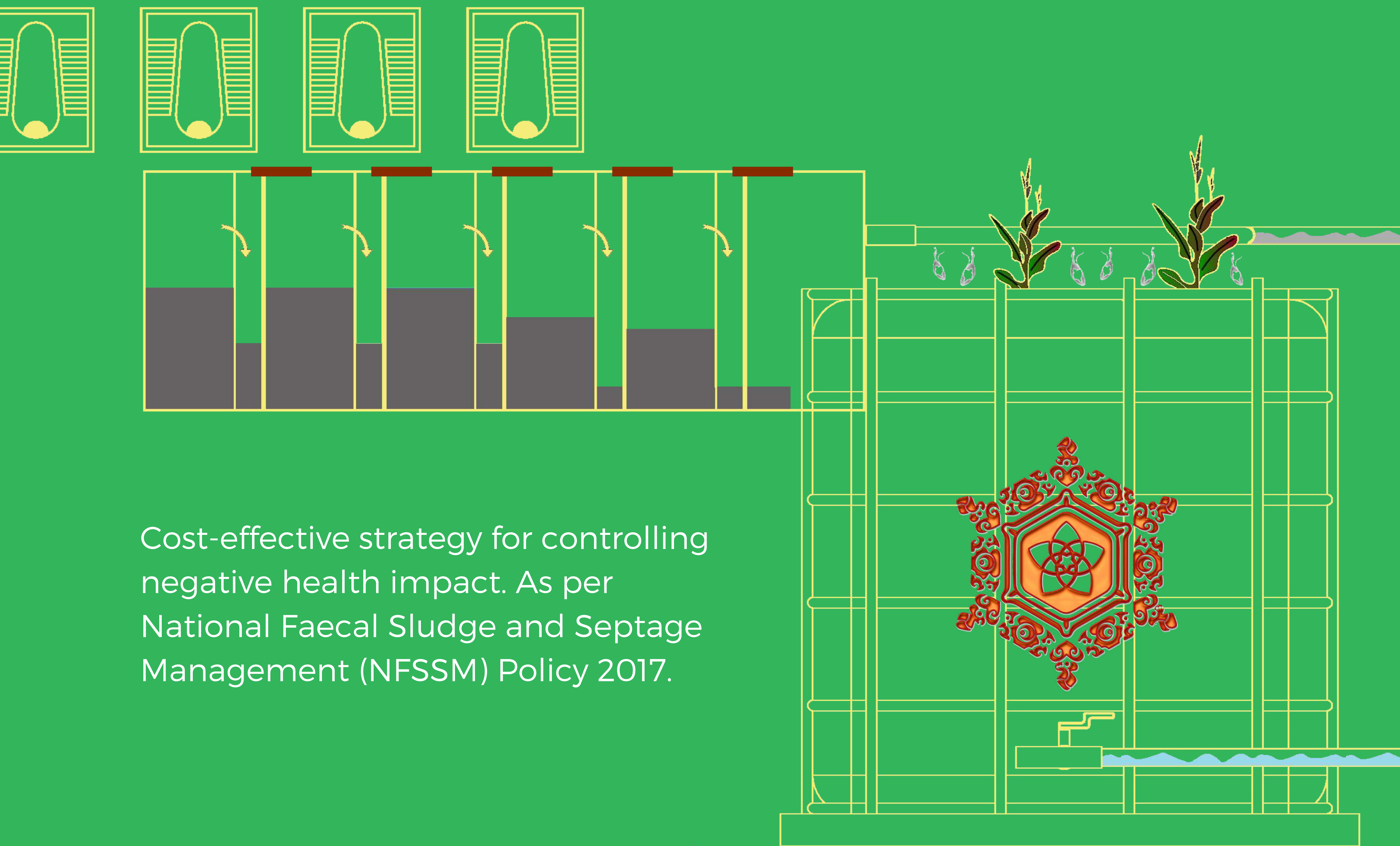


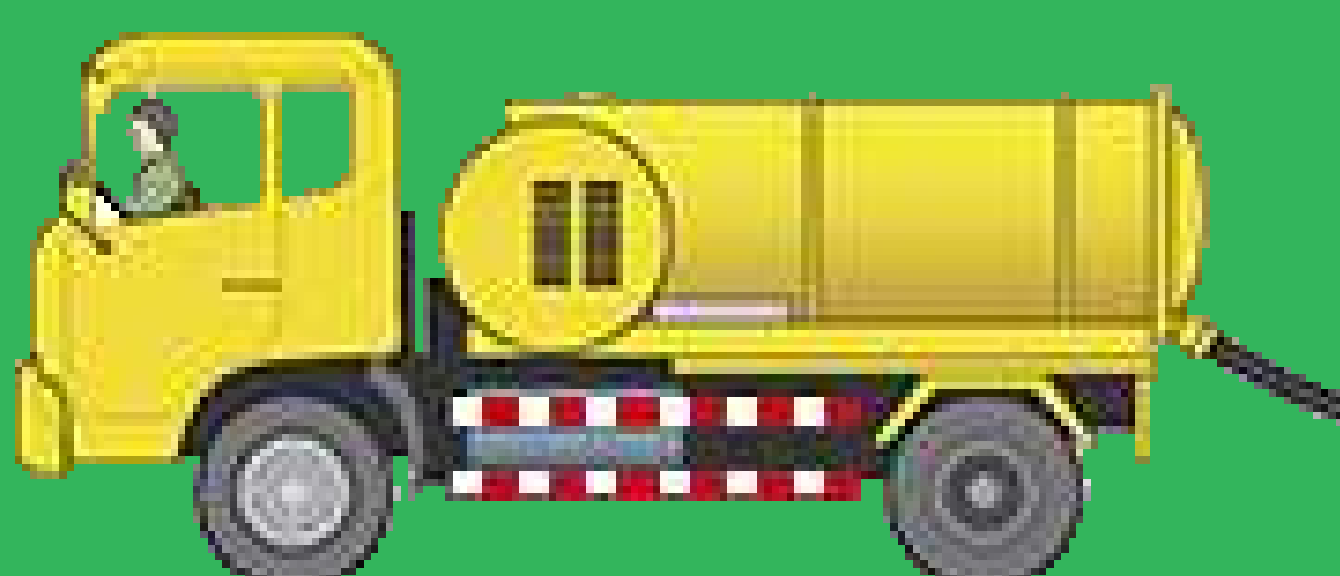
rejuwater®

FECAL STP



Cost-effective strategy for controlling negative health impact. As per National Faecal Sludge and Septage Management (NFSSM) Policy 2017.

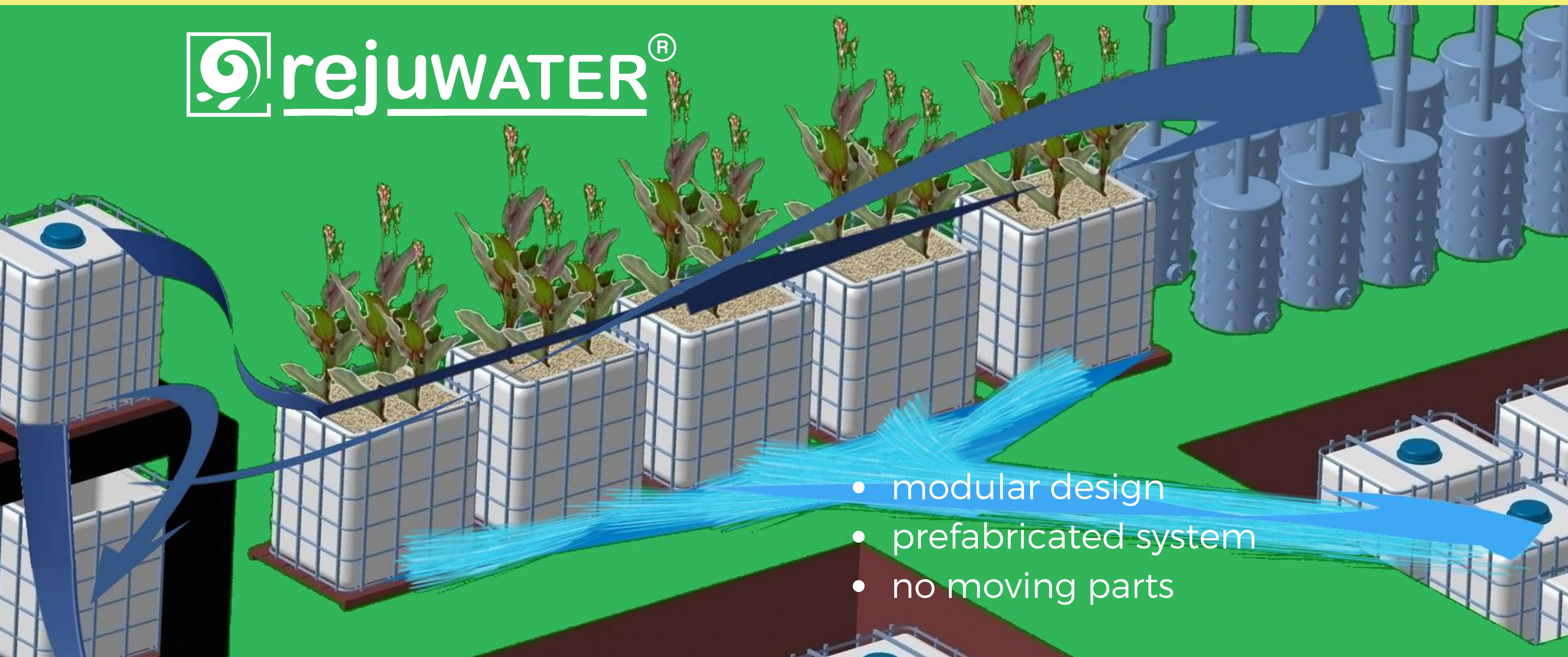
 **riteways**
WWW.RITEWAYS.ORG



FAECAL SLUDGE MANAGEMENT



FULLY RECYCLED



- modular design
- prefabricated system
- no moving parts

Faecal sludge treatment specs:

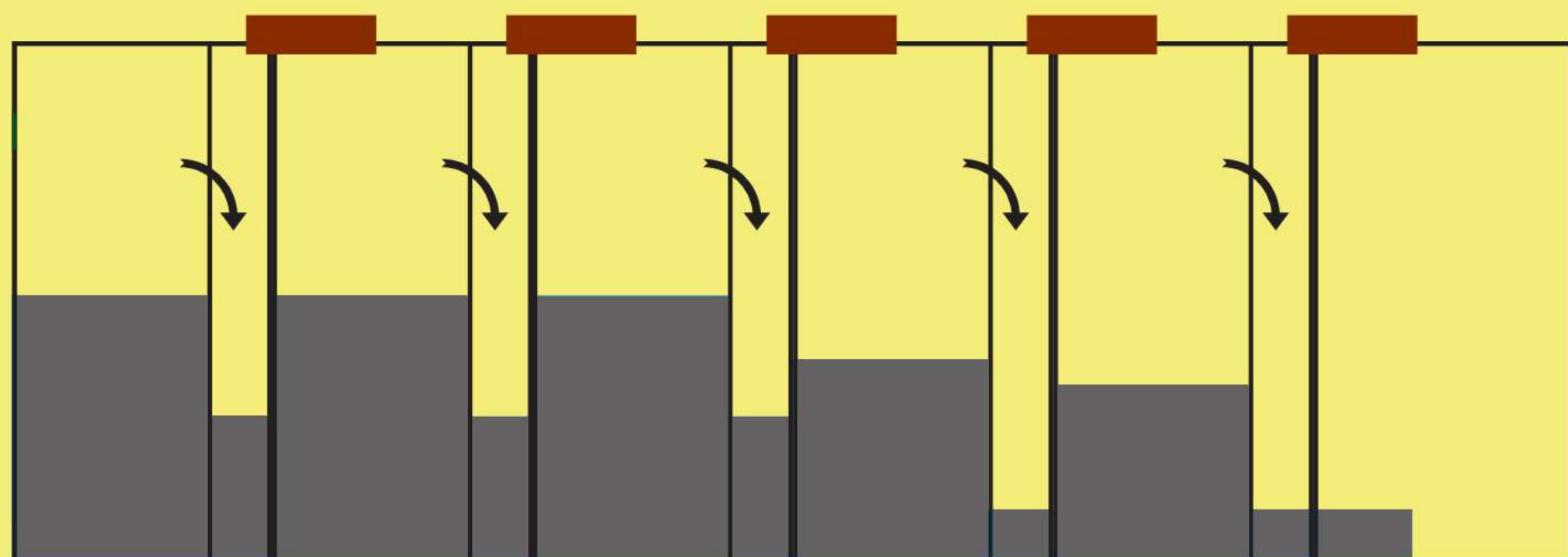
rejuWATER module footprint: ~1 sqm/KLD
 Flow: gravity based system
 Nutrient removal: Soil BioFiltration/Aerobic

Reuse:

Treated water: Agriculture/Horticulture
 Compost (Manure): Agriculture/Horticulture

Wastewater Recycling

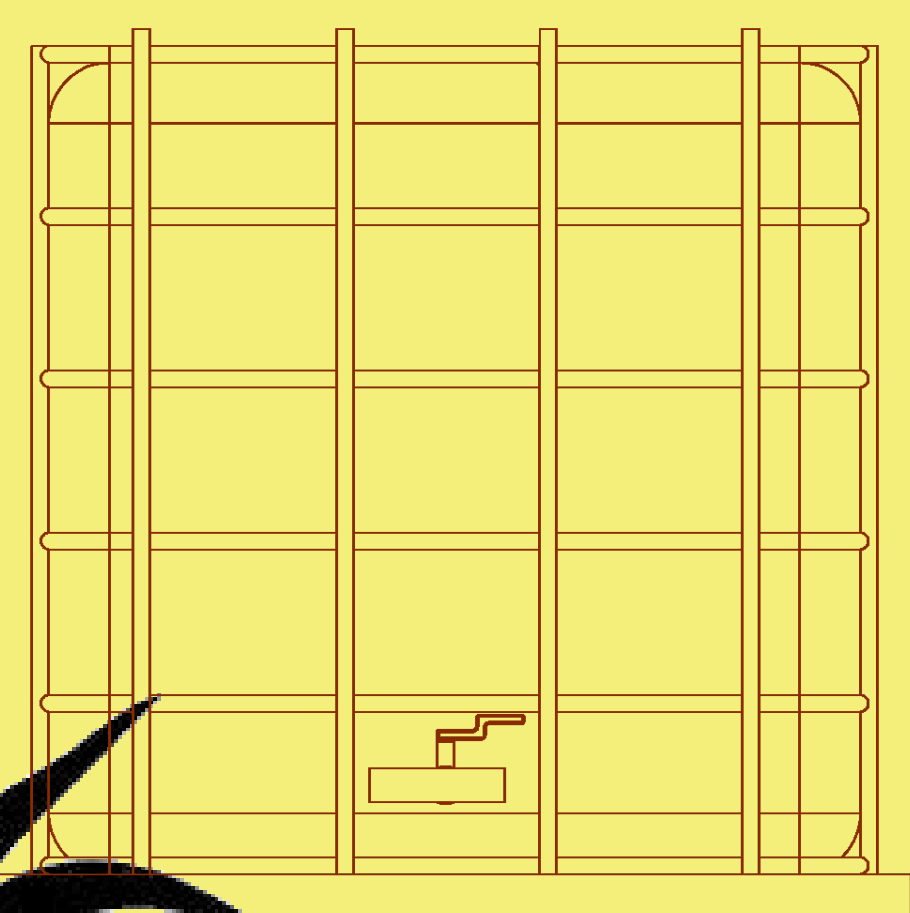
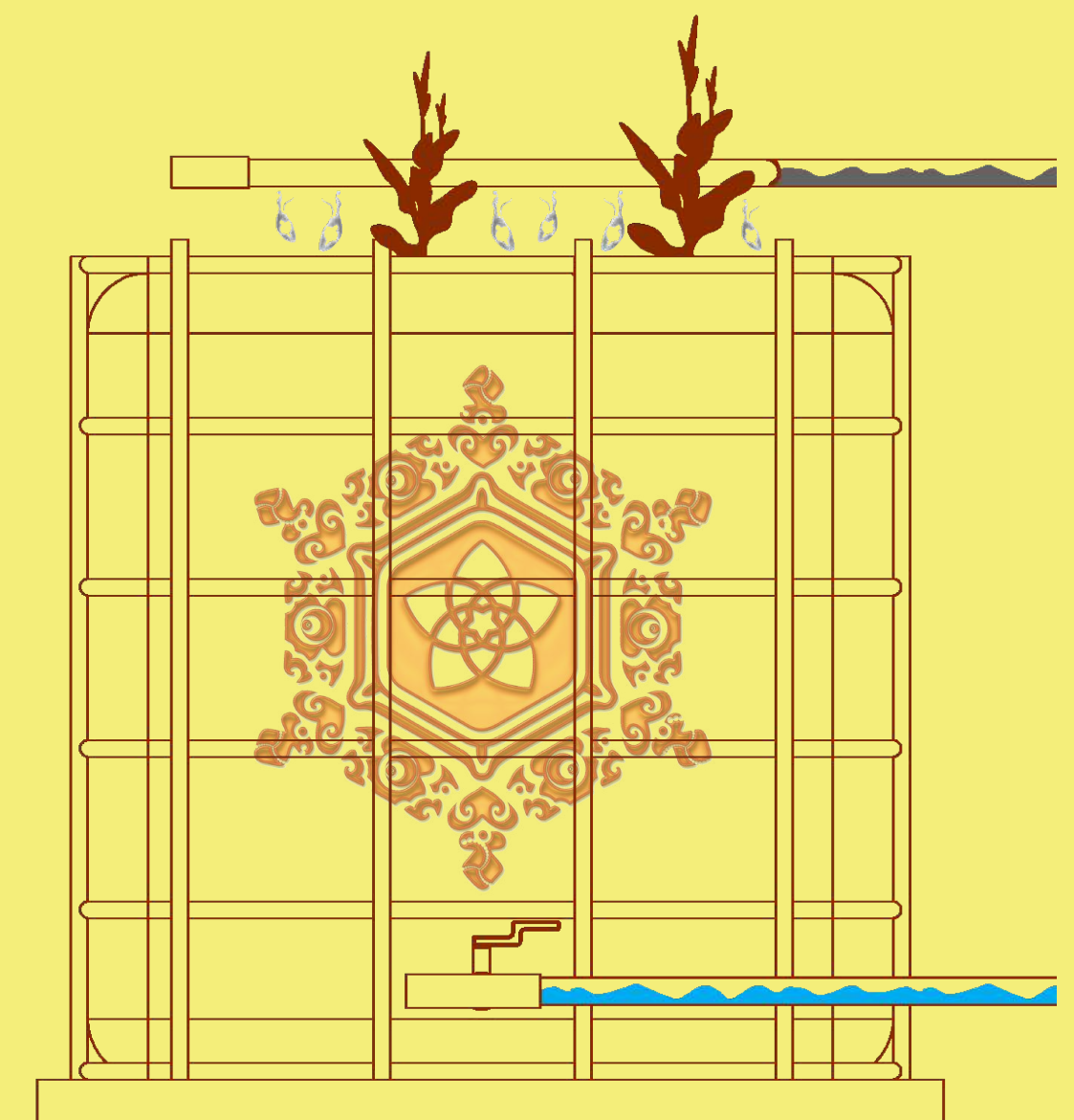
SETTLER



Civil tank buried in ground receives the fresh faecal sludge directly from tankers and quickly settles the same. It also feeds the sewage liquor to Buffer tank.

REJUWATER MODULES [RWM]

RWM'S recycle raw sewage using proprietary Soil BioFiltration technology, to produce clean water that can be used for Agriculture/Horticulture.



BUFFER TANK

Buffer tank feeds sewage liquor to rejuWATER modules and thickened slurry to sludge drying beds.

Expected input:

BOD: 2,000 to 5000 mg/l
 COD: 10,000 to 25,000 mg/l

BOD (Biochemical Oxygen Demand)

Output:

BOD removal: 85–90%
 COD removal: 90–95%
 TSS reduction: 75–80%
 Coliform reduction: 60– 90%

COD (Chemical oxygen Demand)

FULLY COMPOSTED

 **TALLBOY**[®]

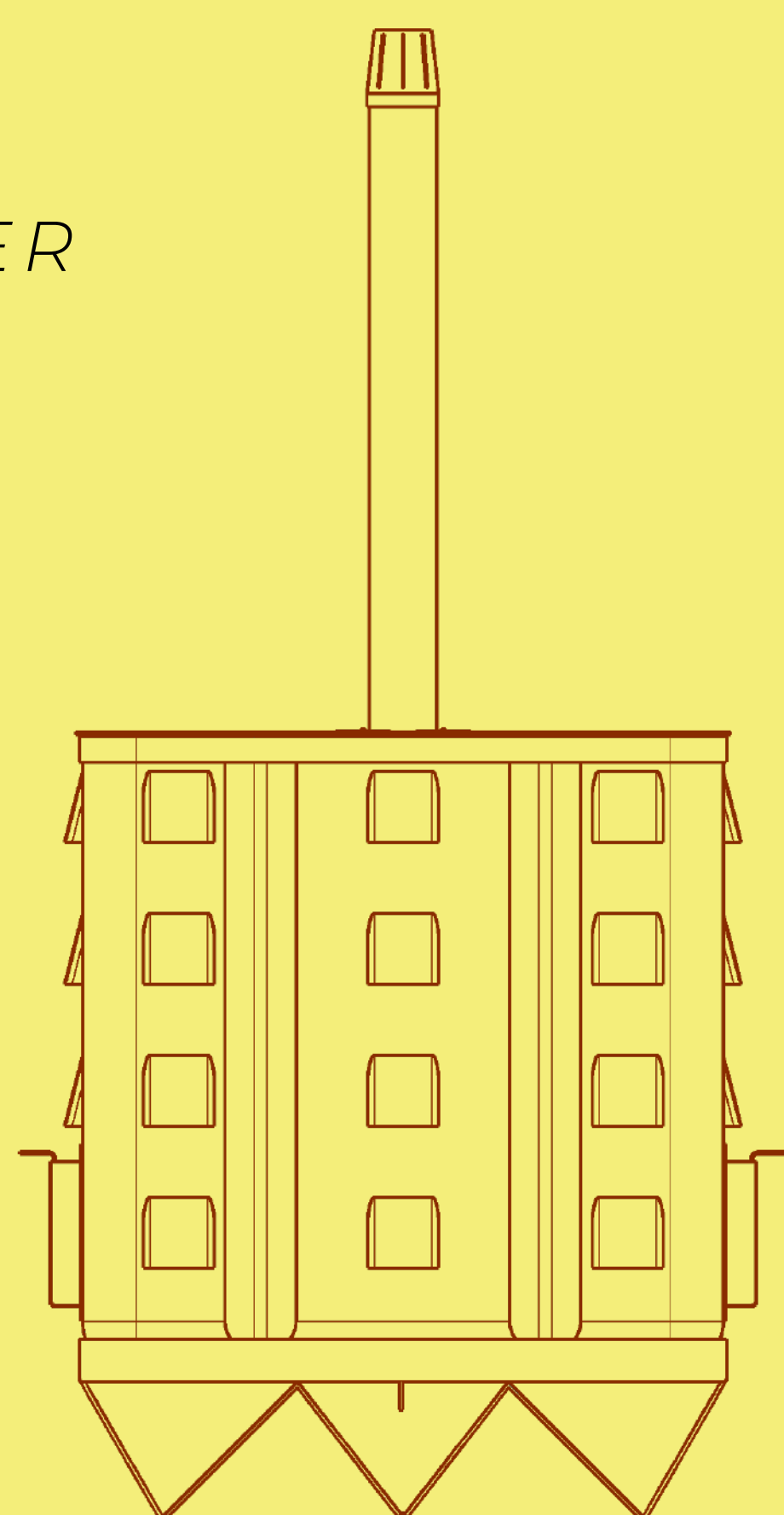
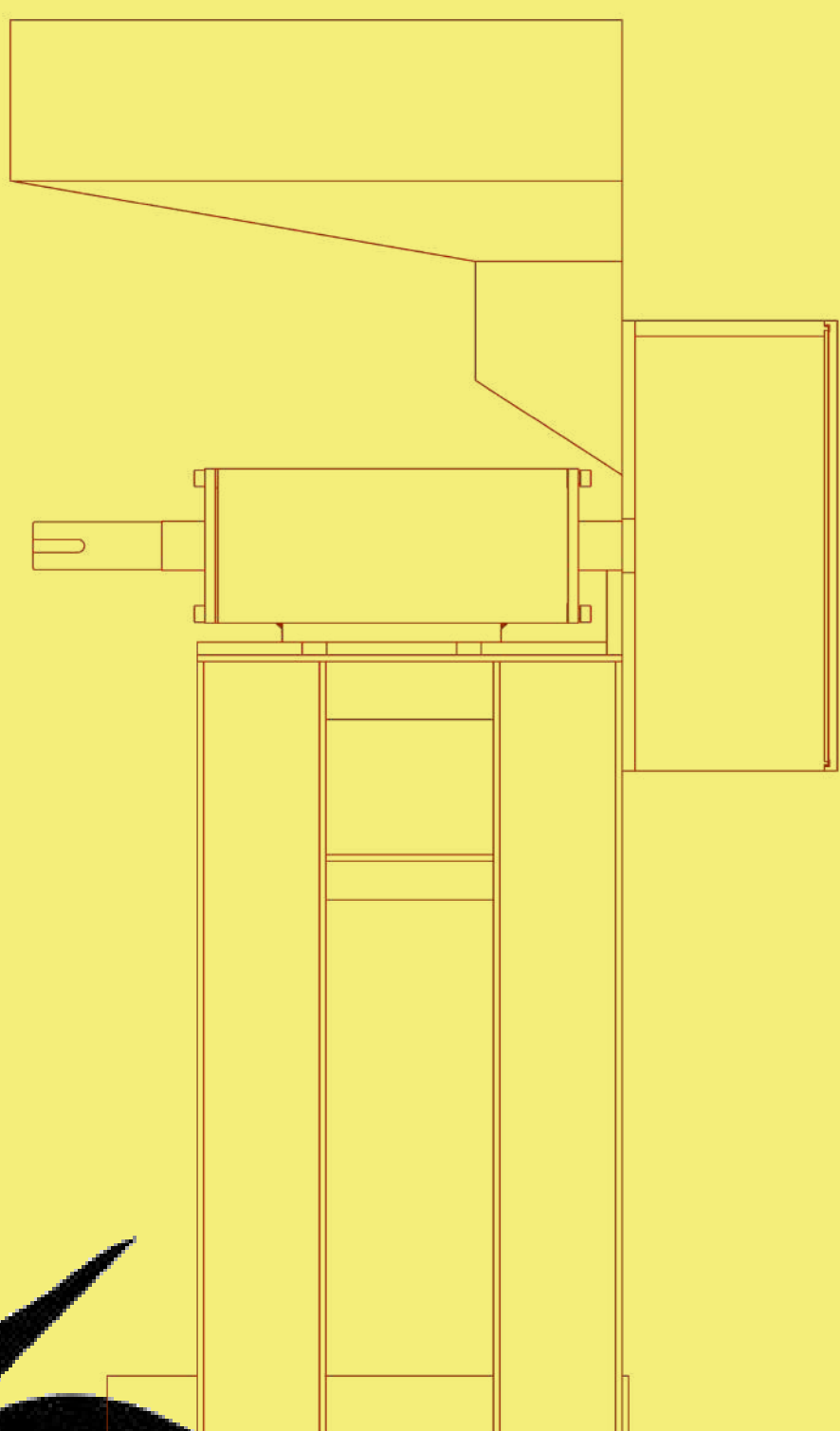
- modular design
- quick composting
- rich earthy smell compost



Rich digested compost and clean treated water.

Composting

VERCHEW PULVERIZER



TALLBOY BIOBINS

After reaching the desired extent of dryness, the sludge is removed from the bed manually or mechanically, with shovels and wheel barrows and processed further in composting system using verCHEW pulverizer & TALLBOY BioBins.

Composting specs:

Sludge loading rate (SLR): 100 to 200 kg/sqm per year
TALLBOY BioBin footprint: 1sqm/10KGD* sludge
Each BioBin Feed rate: 10 Kg/day
verCHEW Pulverizer capacity: 200 Kg/hr
Power consumption: 3.7 kW/hr

*KGD is Kg/day

Why FSTP?

BY RITEWAYS

Septic tanks and Pit Latrines represents a massive sludge management challenge.

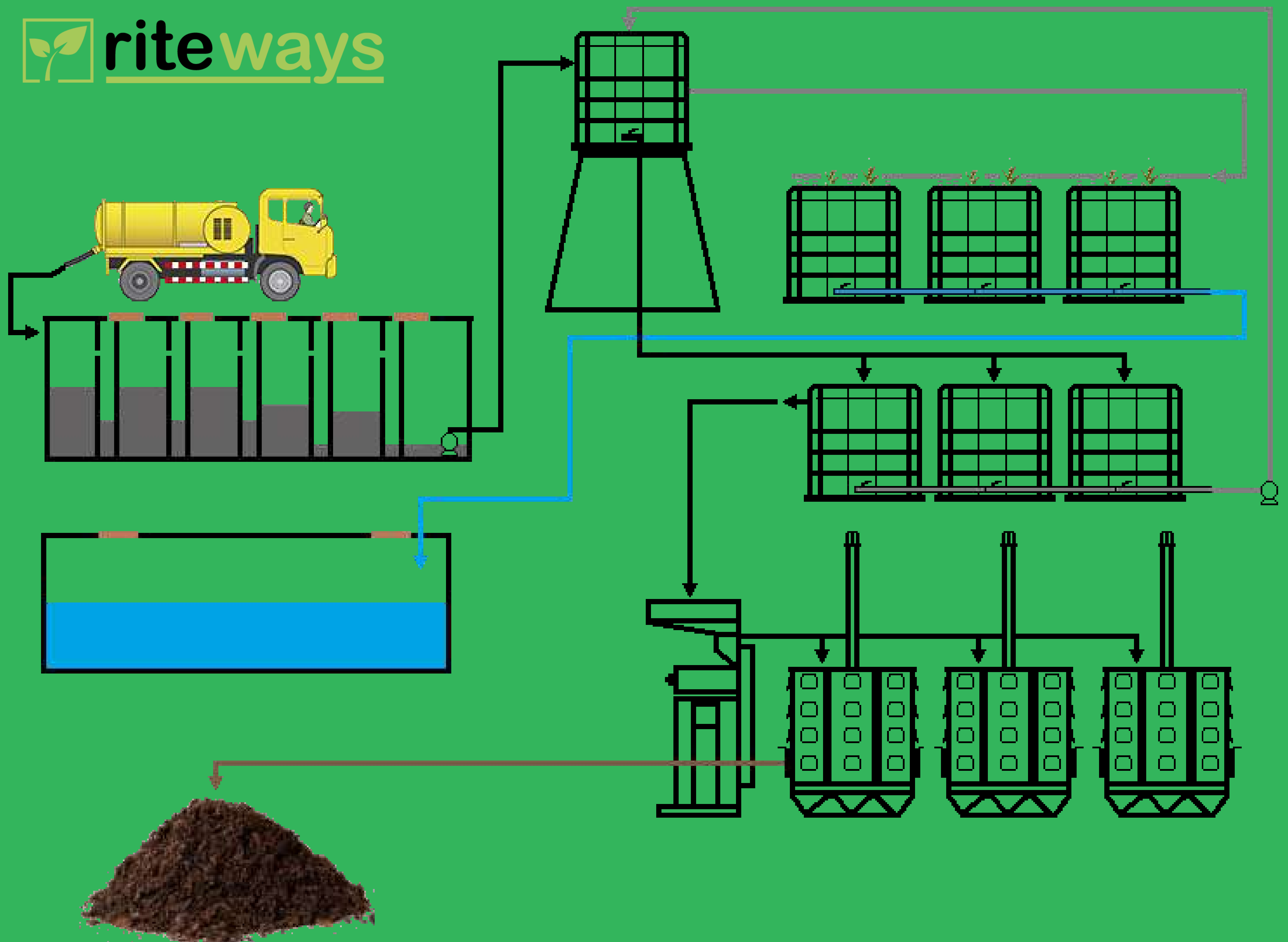
The employment of Manual Scavengers and Construction of Dry Latrines (Prohibition) Act 1993 prevents removal of human waste by human hands.

Under capacity of sewage collection and treatment causes its entry in to water bodies, killing the pristine lakes and rivers - "the sustainable source of drinking water".



One truck can service a population of 20,000. Payback within a year.

Desludging of the onsite sanitation systems (OSS) as prescribed by Central Public Health and Environmental Engineering Organisation (CPHEEO) shall be provided by the municipal corporation/private players. Vacuum tankers do emptying trips every day to the FSTP site, wherein treatment of wastewater, excreta and greywater is used to prevent the contaminants from entering the environment.



RITEWAYS ENVIRO PRIVATE LIMITED

T: +91 901 903 4000 | E: SALES@RITEWAYS.ORG | W: RITEWAYS.ORG