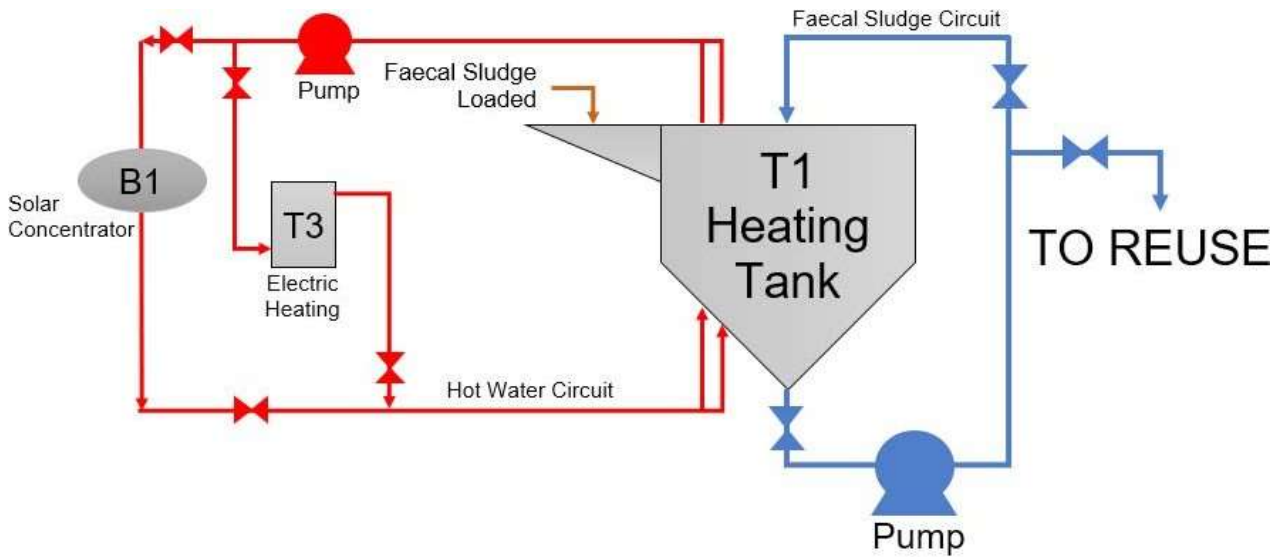


Simplified Process Flow Diagram of the treatment system

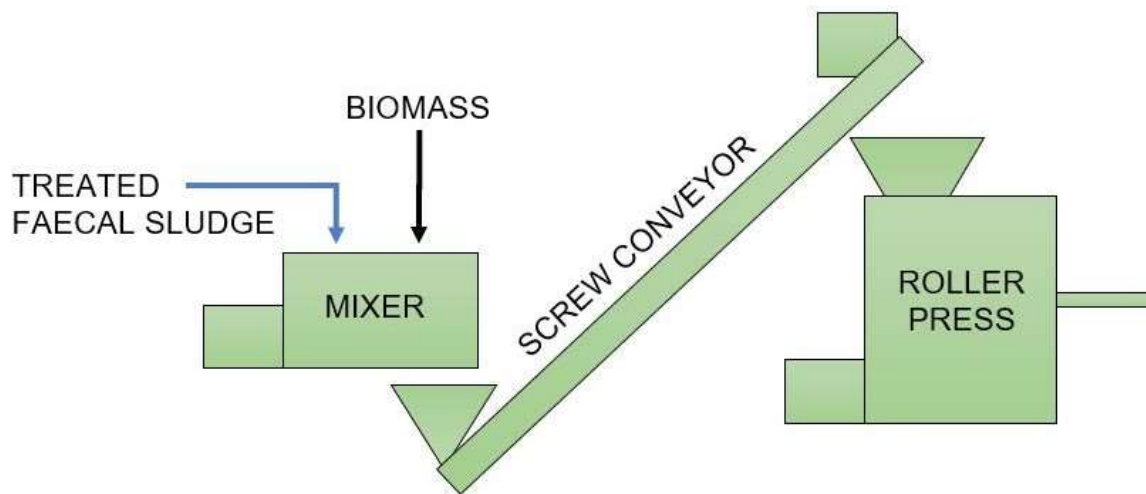


Treatment Tank



Manufacturing:	Local (in an industrial city)
Treatment time:	65°C heat for >3 hours
Treatment capacity:	2,000 tons/day
Equipment footprint:	25 m ²
Operations footprint:	1 acre for all operations, including briquette drying and faecal sludge storage (drying beds)
Operation:	Semi-automated (pumping activated by logic controller)
Life span:	10 years
Energy usage:	9kW

Simplified process flow diagram of briquetting system



Mixer



Manufacturing:	Imported
Life span:	10 years
Machinery Footprint:	2.5m ²
Production capacity:	1 ton per hour
Energy usage:	5.5 KW
Operation:	6 hours per production day

Roller Press



Manufacturing:	Imported
Life span:	10 years
Machinery Footprint:	2.5 m ²
Production capacity:	1 ton per hour
Energy usage:	7.5 KW
Operation:	6 hours per production day

Drying racks



Materials: local wood and metal
Briquette drying time: mesh 2-3 days
Footprint: 1m x
Height: 15m 0
Mesh Aperture: 5m 2mm

Capital and operational cost breakdown per system component at 500HHs

		10 years (US\$/HH)	Average per year (US\$/HH)
Waste treatment & briquette production	Operational (\$/HH/year)	US\$1,607	US\$161
	Capital (\$/HH/year) ^{xiii}	US\$111	US\$11
	Total (\$/HH/year)	US\$1,717	US\$172
Revenue	Value generated \$/HH/year	US\$2,102	US\$210

xiii Key costs: treatment and reuse labour, fuel for generator, carbonized biomass, and personal protection equipment