

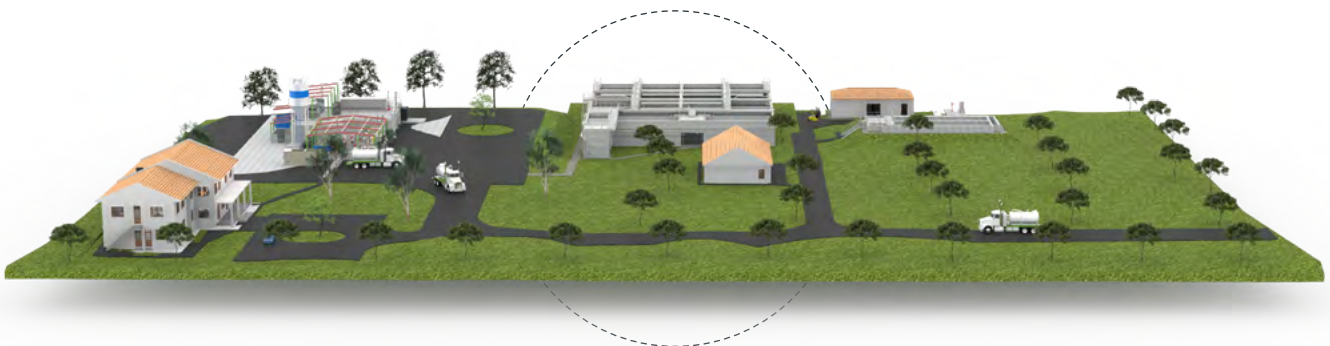


SEPTOPURE®

FAECAL SLUDGE TREATMENT TECHNOLOGY

The Septopure® technology was developed to treat 100% liquid waste (faecal sludge). We offer a unique treatment solution to solve environmental and health problems in settlements without sewerage networks. The main objective of Septopure® is to reduce environmental impact and treat sewage sludge in a safe, but affordable and sustainable way. Liquid waste contains very high concentrations of pollutants, which can vary widely. Septopure® is a flexible, continuous-flow, suspended growth process with alternating anaerobic/aerobic/anaerobic/aerobic stages (both for nitrogen removal and enhanced phosphorus removal) that can be adapted to changing loading conditions.

- DEVELOPED TO TREAT 100% FAECAL SLUDGE
- PROPER SOLUTION FOR NON-SEWERED SANITATION
- ROBUST BUT HIGHLY FLEXIBLE TREATMENT TECHNOLOGY
- HIGH POLLUTANT REMOVAL EFFICIENCY
- UN LISTED THE SEPTOPURE® TECHNOLOGY AS SDG ACCELERATION TECHNOLOGY



UN listed the Septopure® technology as SDG acceleration technology.



Treatment process



Mechanical pre-treatment is followed by flow, quality equalisation and pH adjustment. After the enhanced primary treatment, the effluent is sent to the biological process, which provides specific conditions for the removal of both nitrogen and phosphorus. Secondary treatment facilities are used to remove settling solids. Depending on the sludge's potential for further use or disposal, sludge treatment may involve a combination of thickening, digestion and dewatering processes. The treated wastewater is discharged into recipient, partial flow can be used as process water in the process after further treatment (filtration).

- screening of large solids
- grit and grease removal
- primary clarification
- aerobic activated sludge process
- secondary clarification
- providing the possibility of disinfecting the treated wastewater
- sludge thickening and dewatering
- odour control