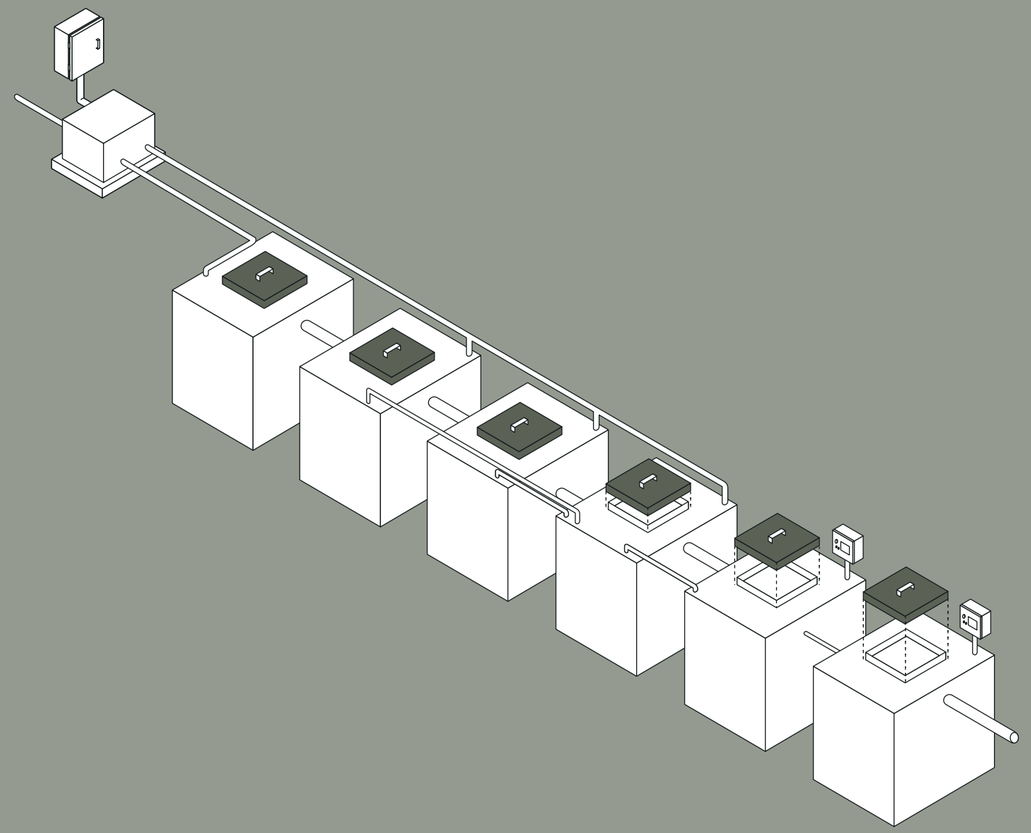
BioSub™



W2 Africa © is a key provider of Decentralised Water and Wastewater Treatment Systems in South Africa, Africa and abroad by providing turn-key solutions through expert consultation, sustainable products, project management and services.

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The BioSub™ is an on-site Sewage Treatment Package Plant that utilises natural processes to treat black & greywater for reuse.

Up to 90% of the treated effluent can be reclaimed & reused for irrigation, flushing of toilets, filling of swimming pools, or to supplement your drinking water supplies.

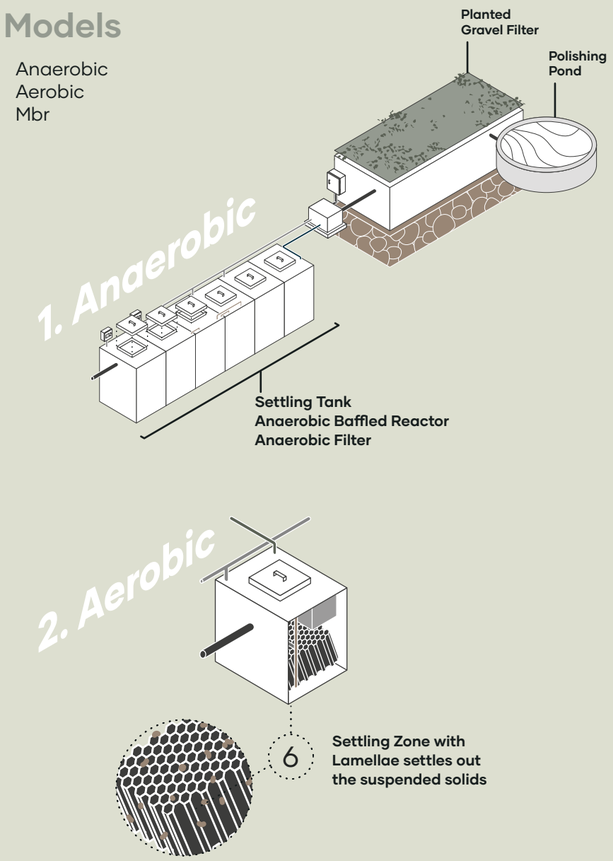
BioSub™

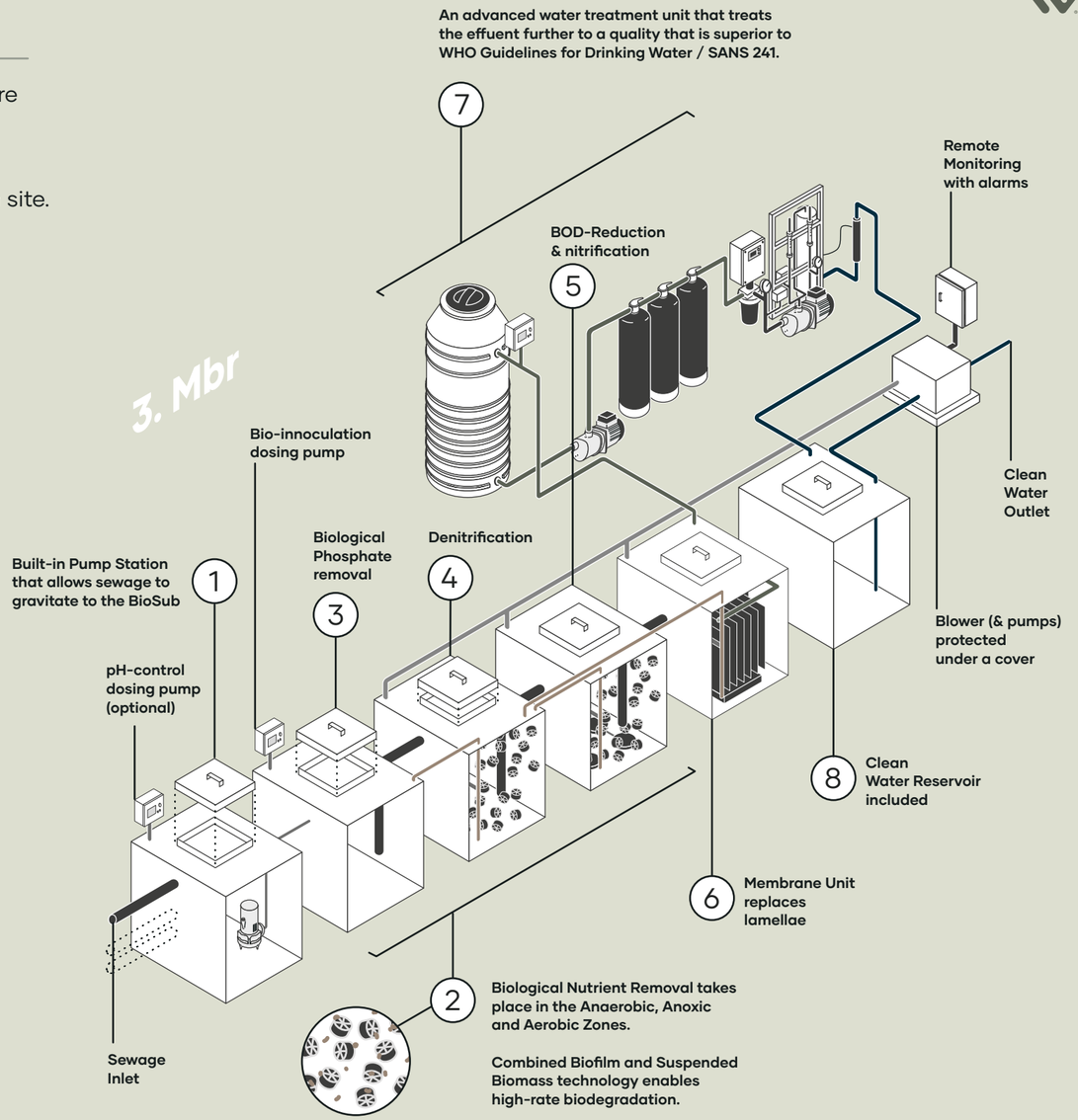
Each BioSub™ model has specific zones designed to use nature to remove pollutants from sewage.

Clients can choose between pre-manufactured fibreglass underground tanks, or concrete tanks that are constructed on site.

3 Models

1. Anaerobic
2. Aerobic
3. Mbr





1. Sewage Pump Station
2. Reactor Zones
3. Anaerobic Zone
4. Anoxic Zone
5. Aerobic Zone
6. Membrane Zone
7. Advanced Water Treatment Unit
8. Clean Water Reservoir

A unique design that offers the freedom to choose from basic to advanced technologies, small or large footprints & irrigation to drinking water reuse quality.

When installing a BioSub™, you do not need additional pump stations or treatment units.

The BioSub™ is the complete on-site water treatment solution.

Special Features

- All-in-one system
- Modular
- Flexibility in choice of technology
- Flexibility in reuse water quality
- Fast installation
- Out of sight
- Small footprint
- Odourless
- Low noise
- Low on electricity
- Solar-power option
- Low maintenance
- Remote monitoring
- Environmental compliance
- Water reuse
- Low sludge production

Applications

- Private Households
- Housing Developments
- Rural Communities
- Farms
- Schools
- Golf Estates
- Game Lodges
- Guest Houses
- Camping Sites
- Nature Reserves
- Hotels
- Shopping Malls
- Factories
- Mines

Ruens Kollege

2016

Bredasdorp (WC, South Africa)
Private School

Sewage Treatment
BioSub Aerobic
21 kl/d
Reuse: Irrigation of sportsfield