

Your water and wastewater solution specialists

We design, manufacture and install water, sewage and industrial effluent treatment plants.

We have over 25 years' industry-related experience with a vast list of successfully completed projects.

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We Make Every **Drop Count**

Water is scarce.

Wastewater must be treated for reuse. Recycing your water ensures that you always have this precious resource available. This approach secures a sustainable environment, ensures environmental compliance and will also save you money.

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Ruens Kollege Rural School Klipdale, 2016

The BioSub[™] is a Hybrid **Moving Bed Bioreactor** that utilises the treatment capability of natural organisms to treat sewage (black and grey water).

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



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All-in-one Solution

By installing a BioSub[™] you do not need additional pump stations or treatment units; in fact, the BioSub™ is the complete on-site sewage treatment solution.

Regulation requires a post-installation Service and Monitoring Agreement (SMA) which is site-specific.





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BioSub

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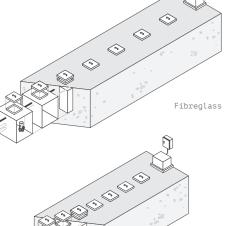
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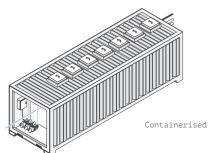
Sewage Treatment **Package Plant**

The BioSub[™] consists of separate zones, each designed to remove specific pollutants from sewage.

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







The BioSub™ comes in 3 different models

An advanced water treatment unit

that purifies the effluent further

Standard: Lamellae settling

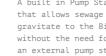
 SA General Limits Rural Irrigation

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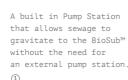
 Membrane seperation SA Special Limits Urban Irrigation/Toilet Flushing

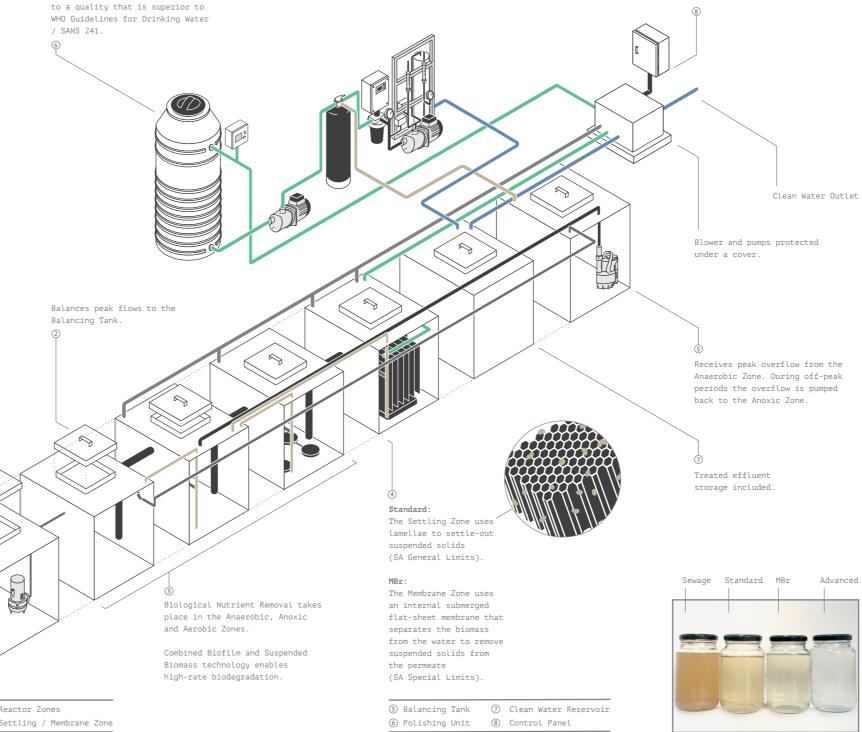
Advanced:

 Membrane + Polishing Unit Sewage direct to potable water



Sewage Inlet





 Sewage Pump Station ③ Reactor Zones (2) Anaerobic Zone ④ Settling / Membrane Zone Remote Monitoring VV with alarms. Clean Water Outlet

A unique design, elevates it above other sewage treatment package plants, offering many advantages.

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Special Features

- All-in-one system
- Modular
- Site flexibility
- Fast installation
- Out of sight
- Small footprint
- Odourless
- Low noise
- Low on electricity
- Solar-power option
- Low maintenance
- Remote monitoring
- Environmental compliance
- Water re-use
- Low sludge production

Our Clients

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

