



# BISOL WASTE WATER SOLUTIONS

- COMPANY PROFILE -



NAIROBI



Bisol waste water solution is an international company incepted in 2019 by Kenyan and Australian team of civil engineers with experience in handling civil works but with a passion in solving sewerage problems and help a magnitude of people in sewerage recycling services, plumbing and drainage works. Sewage management consultancy, construction, administration reconstruction services sanitary systems.

We ensure sound design and legal compliance through a buildings lifespan from water top to sewage from solid waste to clean clear water.



## OUR VISION

We are dedicated team that channels our expertise and knowledge into solving sewage management issues and sewage recycling services to be able to sustain environment and avoid sewage pollution.

## OUR MISSION

Bisol waste water solution is committed to building long term relation based on integrity and delivering of our services to the best we can. We continue to always meet the changing and different needs of each client. We use the most qualified team of Civil engineers, Biochemists, Plumbers and drainage designers from our team of waste engineers.

## OUR POLICY

Our policy is perfect or near to perfect Process

- a) Initial Discovery – Our job is to ensure the, what, why and how questions on path of uncovering truths behind design decisions and drainage and sewage managements defects.
- b) Research Synthesis – From drawing to standardized sewage system design and sewage management systems. We examine initial findings using a variety of systems and different systems to make our systems efficient and sustainable.
- c) Final Recommendation – Our report includes detailed issue description of how our systems works and how they can serve you longest. We design to ensure the integrity of subsequent drainage system, compact sewage recycling systems, sludge management systems, biodigester plumbing works/ sanitation systems.
- d) We have grown into one of the fastest grown sewage management companies in the world. We view our commercial design and sewerage management and recycling services as a set of tools available to complete a project.
- e) We pick best system and delivery method for the project.
- f) General drainage contracting, project management. Whatever the problem, we solve your sewer problems.

Services based on each client study of different systems. Customer satisfaction is our biggest goal. We do routine and random maintenances.



## OUR KEY INDUSTRY SPECIALIZATION

- Ultra-modern bio-digesters
- Compact sewage recycling systems (clean 98% clear water)
- Drainage systems (waste water)
- Septic maintenance/ conversions
- Grease interceptors installation
- Waste Plumbing and general fittings
- Bacteria for pit latrines reduction
- Biodigester bacteria ,septic bacteria ,grease degradation bacteria  
'aeration bacteria

## ULTRA MODERN BIODIGESTERS

1.BIO-DIGESTER – This is a complete onsite sewer system handling both gray and black water. It achieves this through biodegradation. They speed up the reaction of decomposition of fecal matter. The chamber is inoculated (catalyzed) so it works faster. Systems works in all types of terrain



### Sizes

- 1-40 PE= 1.2M3
- 1-100PE= 2M3
- 1-180PE= 3.5M3
- 1-250PE= 7.8M3
- 1-450PE= 18.825M3

No dislodging forever  
(EXHAUSTION)

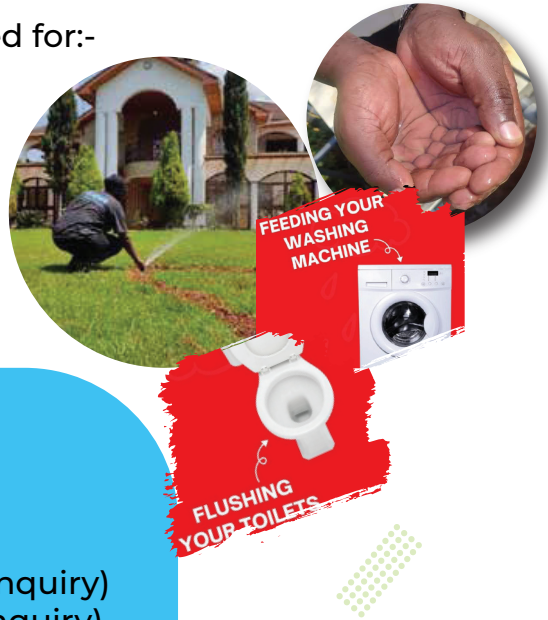


# COMPACT SEWAGE RECYCLING SYSTEM

Bisol Waste Water Solutions provides an effective treatment of sewage in various application. Our sewage treatment provides to full carbon and nitrogen removal and produces high quality efficient (clean, clear, 99% pure odorless water)

Due to it's high quality the water can be used for:-

- a) Discharge into sensitive water cause
- b) Re-flushing toilets
- c) Washing open spaces
- d) Irrigation, lawns and farms
- e) Dust suppression
- f) In instances laundry
- g) Storage for future use



## Sizes

1-30 people= 3M3

1-60 people= 6M3

1-159People= 12M3

1-350 people= Design/Scale (inquiry)

1-5000 people= tailor designed/ scaled (inquiry)

1-1000 people= tailor designed/ scaled (inquiry)

Testing is done in conformity to EU Norm En 12566-3 testing institute :  
PIA. N Aachem, Germany.  
System design has been approved by National Environment Protection Council in Australia and Environment Protection Authority



Committed To Manage Your Waste



# DRAINAGE SYSTEMS



Having blockage of waste system, we design drainage channels and a maximizing channel capacity and minimize erosion and redundancy. Steady flow of waste to the treatment section and directing habitat is crucial

e.g. sanitary appliances, water closet, WC, urinal, sink, Locating or changing toilet bowls and sanitary piping systems.

## PLUMBING WORKS

This we work on laying installation, alteration, repair or replacement of water pipes, tanks, taps, and fittings.

In the drinking water supply system, for the conveyance of water supplied to portable water tanks

## SEPTIC MAINTENANCE & CONVERSIONS

This are periodic dislodging systems for septic that need total cleaning and complete dislodge and turning your septic into a new Biological system.

Conversion is where we handle cleaning and transforming a septic into Biological better system with installation of Soldier bacteria into your septic making it a Bio-digester (Biological System).



# GREASE INTERCEPTOR

This is a waste management system for the grey water – kitchen and bathroom water comes with a Strainer and trap section to hold onto solids and fats.

Best Deal for:

- Restaurants    ● Homes    ● Schools

## IMPACT

1. Prolong lifespan of soak away
2. Help septic function more efficiently
3. Stops and completely stops smell





# BACTERIA SUPPLY

We have different types of Bacteria for different types of setups be it pit latrines, septic, bio-digesters, or grease interceptors. The Bacteria are Bio-engineered to work in different conditions as per functionality.

## A. TOILET BACTERIA

With collaboration from defense research and development organization we use:-

Bio-technology uses psychrophile a type of anaerobic bacteria able to withstand any temperatures.

This bacterium is helps in degrading human faecal waste in an eco-friendly manner

It breaks down 90% of human waste to release water and Bio-gas, which is 50-70%

Methane.

Average life span of Bacteria is up to 35 years

One time inoculation

## B. SEPTIC BACTERIA

The septic need good bacterial population

Without adding bacteria your septic tank is going to clog up and over flow that's because essentially your tank and it's soak away are only going to do so much (septic tank need bacteria and microbes to break down solid)

So yes in the case of owning a septic tank on site, bacteria are your friends, septic tank organizations are going to be just as nasty for your health, as those you all find in the loo but ultimately you are leaving them to do their business.

## BENEFITS

- a) You will prevent need for regular pumping septic tank pumping can and will cost a lot of money if you do it regularly all tank need a good pump out, but topping up your bacteria means the difference between a pump once every year, and once every five months.
- b) You might already be noticing bad smells from your turning or that some waste water is starting to seep through and Bisol waste bacterial mix to the septic.

## C. GREASE INTERCEPTOR BACTERIA

The use of grease interceptors and kitchen drain bacteria restores the biological population of good worker bacteria and enzymes which reduce solids. The beneficial bacterial also get carried over to the soaking area to reduce solids and help prevent logging.

A clogged soak away is the biggest problem for septic system the hardest and costly to repair. Using bacteria will not need an exhauster.





## BENEFITS

- a) Reduces surface and bottom waste in system
- b) Efficiently degrades fecal matter and food waste in septic waste, thus preventing sludge build-ups and emanation of foul odors from septic tanks.
- c) Degrades the fats, grease and oils in food waste.
- d) Prevents and removes the bad smell
- e) Packed with powerful bacterial and enzymes to digest the waste.

Grease trap and kitchen drain bacteria precaution:-

- i) Do not touch with bare hands
- ii) Can cause skin irritation
- iii) Keep away from children

Our Bisol compact design effluent standard specification;

BOD 4mg/l, 99%

COD 24mg/l, 97%

TSS 3mg/l, 99%

Purity 98%

## APPEARANCE

- 1. Clear
- 2. Colorless
- 3. Odorless
- 4. With no policies



*We offer guarantee on our systems and a warranty on the same*

## BENEFITS OF OUR SYSTEMS

Save your resources with 65% cut on amount on funds saved on fresh water intake

Since you buy water once use it twice

1. No exhaustion whatsoever
2. Get clean, clear, colorless free water everyday
3. Ambient environment as of no smell whatsoever
4. Top efficiency, significantly under all efficient requirement in Australian, Israel and Kenya standards
5. Safe and silent
6. Cut your cost of water by 60%
7. Can be installed anywhere roof top in case of space issue for large development underground or on the surface.
8. Maintenance friendly

We solve all your sewage management problems be it home, business, institutions, hospital, organization, warehouse, cottage etc.





---

## CONTACT US

---

 +254 722 707 664 | +254 786 537 479

   Bisol Waste Water Solution

 Off Mombasa Road, Katani Road,  
The Turn Business Complex

