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BUILDING HEALTHY NATIONS

Rural Household and School Sanitation
In Africa



88%
of South African
households have
access to water [2016]¹



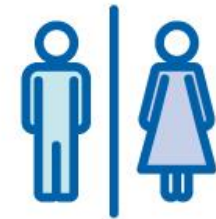
South Africa is the
39th 'driest'
country in the
world [2014]²



3.1%
of households live with
no sanitation facilities or
use bucket toilets [2017]³



171 public schools
have **no water supply**,
while **5004** make do with
an unreliable supply [2016]⁴



1.5 million
small children in South
Africa **don't have**
toilets at home [2017]⁵



±4 000
schools only have
pit latrines [2018]⁶



45.6%
of households do not
have a toilet inside
their dwelling [2018]⁷



Almost **1/5th** of all
deaths of children under
the age of five years in SA
are caused by diarrhea,
of which the leading cause is the lack
of sanitation [2014]⁸

MORE PEOPLE HAVE CELLPHONES IN SOUTH AFRICA THAN TOILETS INSIDE THEIR DWELLING

What is Sanitation ?

- Faecal Sludge

- Water
- Energy
- Infrastructure
- Transportation
- High CAPEX and OPEX
- Spreads diseases resulting in death

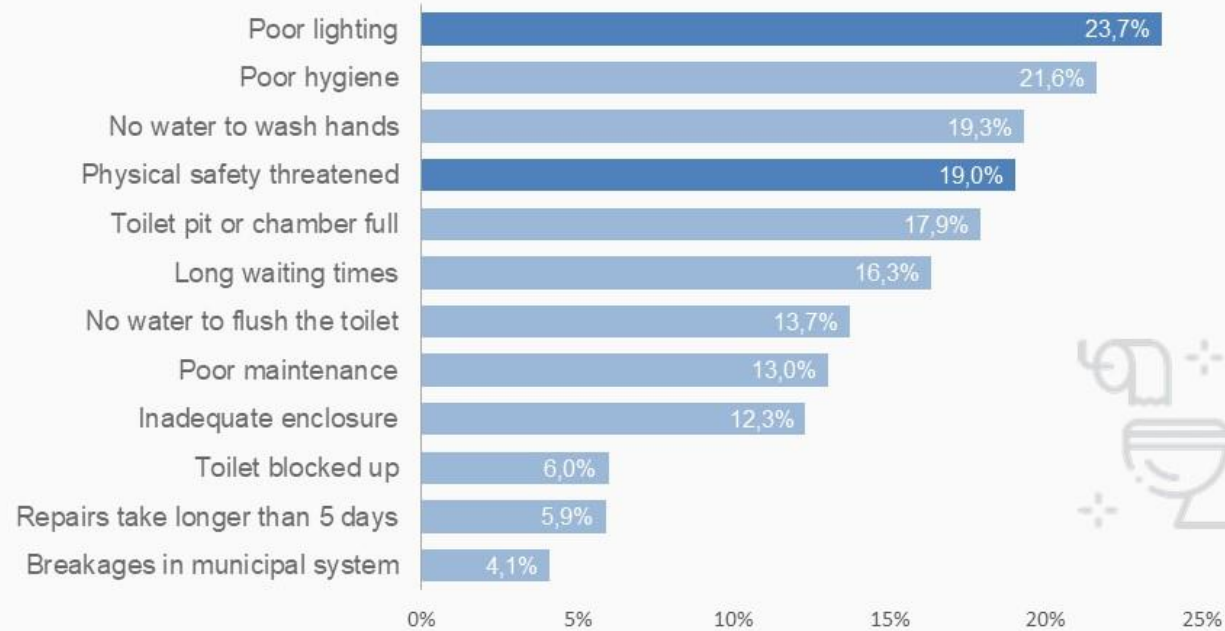
- Dry Organic Waste

- Requires the following
 - Waterless
 - No Energy
 - No transportation of organic waste
 - Low CAPEX and OPEX
 - Prevents sanitation related diseases
 - Reduction in Health Budgets
 - Increased School Attendance
 - Origin of Sanitation

Sanitation facilities vs. Sustainable Sanitation Technologies

For households sharing toilets, security remains a priority. About one-quarter of households were concerned by poor lighting and inadequate hygiene, while 19% felt that their physical safety were threatened when using the toilet.

Problems experienced by households that share a toilet



Source: General Household Survey, 2017



Construction Note Number: CN190905T0247115071
DATE: 29-10-2019
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Communication between the user and the manufacturer

More people have access to cell phones than sanitation facilities.

That is why we have developed the Amalooloo App to close the communication gap in bringing about true sustainable sanitation

- Users can log maintenance requests
- Order Parts
- Share information
- Generation of real time data and reports.

Latitude :	-24.770126785174728	Longitude	29.904135139686897
Beneficiary Id No :	7704080941081	Beneficiary Detail	Ga-moretsele pp
Note:	The volume its average		

Questions	Answers	Note	Image1	
Does the door open and close properly?	yes	Tap here to start typing...		
Does the door lock from the inside and outside?	yes	Tap here to start typing...		
Are there any visible structural cracks of the concrete panels?	no	No visible cracks on the concrete panels		
Are all the screws still intact and fastened correctly?	yes	Tap here to start typing...		
Was the cover slab closed and locked at the time of inspection?	yes	Tap here to start typing...		
Are the vent pipes still intact and undamaged?	yes	Tap here to start typing...		
Are there any noticeable odours inside the structure?	no	No noticeable odours inside the structure	Comments The volume its average	
Is the inside of the structure clean and tidy?	yes	Tap here to start typing...		
Is the reservoir and lid fastened and undamaged?	yes	Tap here to start typing...	Comments The volume its average	
Does the tap of the reservoir function properly?	yes	Tap here to start typing...		
Is the handwash basin still intact and undamaged?	yes	Tap here to start typing...		
Does water flow freely through the handwash basin and cistern?	yes	Tap here to start typing...		
Is the pedestal fastened to the base slab and undamaged?	yes	Tap here to start typing...		
Does water from the cistern flow freely through the pedestal and into the separator?	yes	Tap here to start typing...		
Is the pedestal lid and child safety seat attached to the pedestal and still functioning?	yes	Tap here to start typing...		
Does water flow freely through the separator into the ecological pipe without any leaks?	yes	Tap here to start typing...		
Is the container dry and free of any grey or rainwater?	yes	Tap here to start typing...		
Are there any foreign objects inside the container?	no	No foreign objects inside the container		
Have you raked the drop zone to the back of the container?	yes	Tap here to start typing...		
Did you lock the cover slab after your inspection?	yes	Tap here to start typing...		
Name of Beneficiary:	manchele Norah Ieshaba	Sign:		
Name of Betram Representative:	Maureen mamakoko	Sign:		

Note

1. On Signature of this document the recipient acknowledges that all goods are received in good order.
2. Any damages and or shortages to be noted on this document before off-loading.
3. All goods remain the property of Betram until full and final payment.
4. Terms & conditions as per quotation in conjunction with Betram's Standard Conditions are applicable(Available on request).
5. Customer responsible for providing suitable (even surfaces) and acceptable area for trucks to enter and off-load goods.
6. Customer will be held liable for any costs incurred due to delays with off-loading of trucks.

So what is the future of Rural Sanitation Globally ?

- Prevention of faecal sludge technologies
- Implementation of strict norms and standards regarding dry sanitation technologies
- Self sustainable sanitation technologies
- Closing the communication gap between the user and supplier/services
- Ongoing sanitation education relating to health and hygiene issues
- Collaboration between Private and Public Enterprise in bringing about sustainable sanitation solutions.

Thank you and Happy World Toilet Day !



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