

The black vent tube outside the toilet also helps drying. As the sun hits this black tube, the air inside heats up, rises and pulls air down through the toilet seat and through the horizontal chamber. Any odours that are produced are carried away.

For the South African demonstration project the Earth Auger toilets were housed in normal prefabricated superstructures designed for on-site sanitation.

Demonstration project

With the interest and support of the Chris Hani DM, 200 Earth Auger sanitation units have been installed to demonstrate the technology in the field. The site selected for the demonstration was at Ida Village, Indwe, in Chris Hani District Municipality (Eastern Cape).



Positioning of the water dispenser, toilet sink and urinal

While any new toilet technology will have some adjustments to be made to be suitable for widespread application, it is anticipated that alternative solutions such as the Earth Auger will go a long way towards addressing South Africa's sanitation challenges. User behaviour and acceptance of the technology, as well as creating a value for the by-products are key aspects to be observed and learned from.

The advantages offered by the earth auger is that we move away from the concept of a hole in the ground, towards sanitation which provides beneficiation. The bulking reduces smells and flies, and the products are not overly offensive and look like soil. The design and construction is much easier and can contribute to reduced capital costs and speed of installation. It is hoped that it can find application in a variety of settlement challenges in the future.



The superstructure with air vent.

For content-related queries please contact

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