

Overview

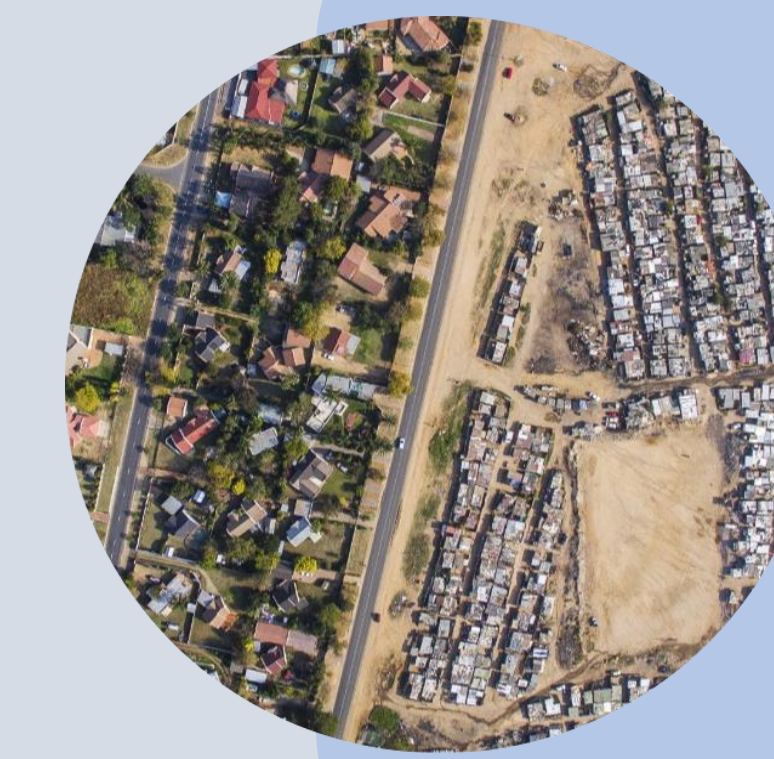
- The residents of Diepsloot are suffering from a water crisis created by mismanagement
- 116 households share 1 water stand
- Population of more than 300,000
- 98% percent of citizens are black

Location



Our goal is to give all citizens equal access to clean water

Causes



History of Institutionalized Inequality



Poor Management of Resources



Inadequate and Failing Infrastructure




Pollution Due to Gold Mining

Effects

Economic Consequences


Limited availability causes increased water prices **9.9%**

14% Loss in gross domestic product

Water scarcity results in increased unemployment 

Health Consequences

25% Of deaths under the age of 5 are caused by a water-related illness

Increased risk of contracting a water borne disease 

3.575 Million people die from dirty water each year

Our Solution

Step 1: Repair Current Community Wells



Fixing the existing wells in Diepsloot is a relatively easy and cost-effective way to get the residents the water they need

Step 2: Provide Access to Filtration Systems



Due to years of poor mining practices, the groundwater needs to be filtered to remove pollutants

Step 3: Educate the Community in Maintaining the Infrastructure



Residents will be taught the basic skills they need to maintain the system thus making it self sufficient

References

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