GROUP 4

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Problem Statement

In South Africa access to safe and clean water is not a privilege available to everyone, especially in rural areas where water sources may be rivers with contaminated water. Recently there has been an incident in Hammanskraal, where people fell sick due to the unhealthy water they were consuming. The incident even resulted in fatalities due to the sicknesses, this raises a need for a platform that can raise awareness to South Africans about the safety of the water they have

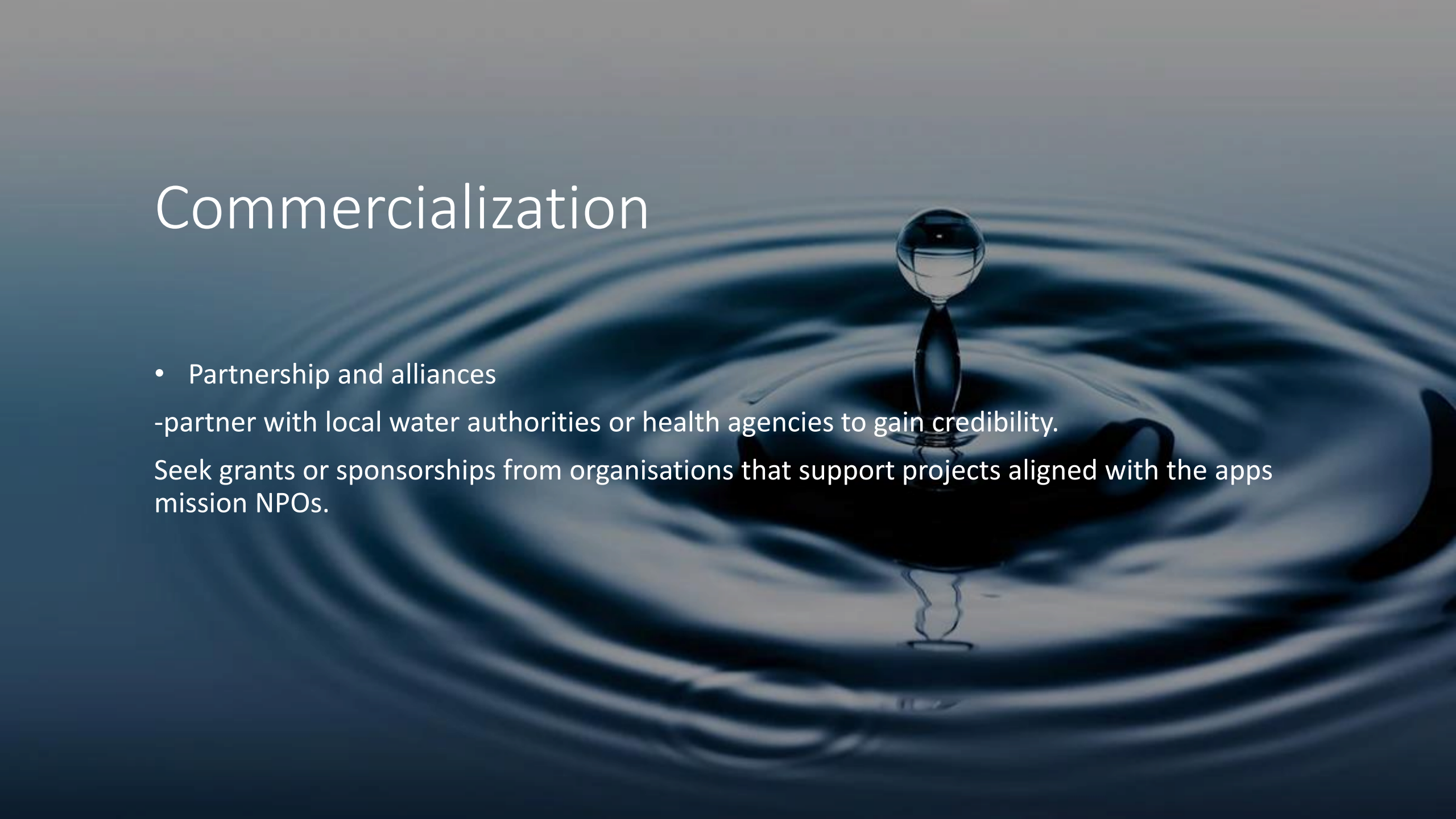
Solution

- Our solution is to develop a zero rating application and a ussd that will raise awareness and help in reporting contaminated water, whereby they will use the H2S test to test if the water is clean.
- The application will also provide measures to mitigate the risk of consuming polluted water.

User levels

- **A household:** they are the ones who will use the H2S to test water in their household.
- **A Municipality:** They will use the application to retrieve information regarding areas which have contaminated water.
- **Experts**: the lab instruments are used to count the micro organism that causes the high risk of infection and diseases like diarrhea. They then report this information the system.

Commercialization



- Partnership and alliances

-partner with local water authorities or health agencies to gain credibility.

Seek grants or sponsorships from organisations that support projects aligned with the apps mission NPOs.

Uniqueness(Competitive Advantage)

- Our competitors are indirect competitors because our objective is similar to theirs in that we’re all trying to provide people with safe and clean water , however our approach deviates from the usual way of achieving the same thing , which other companies are currently providing.

Target Market

- **Mainly residents of communities affected by water contamination.**
  - **Water treatment facilities**

Competitors

Our competitors are external since they deal with purifying the water and our assessment is to create an application will help in raising awareness about contaminated water. Our competitors are as follows:

- H2O international SA
- PureSA
- Aquamat SA
- Puritech water purification systems