G-infinite

Introduction

Hi everyone, we are G-infinite and we have addressed the target of symbiotic development

Integrated Solutions

One of the key issues facing the mining industry is not with the rate of extraction, but with the rate of discovery, whereas in the local communities, the issue is the safety and effectiveness of gold extraction. Our solution is to empower the local community by enabling mapping, and providing the opportunity for safe, effective artisanal mining, and in return, we are able to create a Big Data solution faster to drastically improve the rate of gold discoveries.

Numbers

As you can see from the statistics, the potential workforce mapping for Barrick could be huge.

The Process

We provide the tools to collect samples which enables mapping of Barrick's land, creating Big Data quicker and allowing much faster identification of resources.

Technology

These are the technologies within our solution.

Strategy

This is the map that the worker sees on their smartphone. Their task is to take two samples from anywhere in each small square and this essentially produces a systematic sample for Barrick on a much larger scale, as shown here.

Further Development

AL and ML will maximise the speed of big data generation and produce complex maps to predict location of ore bodies based on physical sampling from locals and various imaging techniques from drones. We also facilitate the geological education

of the locals so they can be safer and more effective in their jobs and allow them to sustainably and reliably generate money by selling their ore back to Barrick.

Symbiotic Development

Our solution allows us to reverse the issue of extraction being faster than discovery as we can rapidly map and identify potential ore bodies. In return, the communities are provided with jobs and the equipment and knowledge for artisanal mining should discovered deposits not be economic for Barrick to exploit. This way Barrick can rapidly expand its influence in developing countries whilst maintaining a reputation of sustainability.