**SGD PROBLEM DEFINITION**

Due to rural to urban migration experienced over the last ten years has led to increased population in Nairobi. This population increase in Nairobi has led to strain in resources including clean water and sanitation.

Limited access to clean water and poor sanitation has led to frequent cholera outbreaks in the past five years. This has in turn reduced the quality of life especially in dense populated areas.

**Solution**

A system need to be designed to track water quality, maintenance schedules and population access. This will help identify areas needing infrastructure improvements or better maintenance.