

Project Presentation

By Nida Cariem, Halo Teixeira, Khanya Ngxabani and Zaakirah Jattiem



UCT KNOWLEDGE CO-OP

The UCT Knowledge Co-op facilitated this collaborative project between CCID and UCT.

See <http://www.knowledgeco-op.uct.ac.za> or
Contact us at know-op@uct.ac.za / 021 - 650 4415



Introduction

Project - solving the public ablution facility problem

The Cape Town Central City Improvement District (CCID)

- Project Sponsor
- Non-profit organisation
- Vision: ensure that Cape Town is a safe, clean and caring city

Hexagon

- Project Manager
- Team of four UCT Information Systems students





Background

Problem

- Limited toilet facilities in CBD for homeless people
- Current toilet operates weekdays; 7am-4pm
- Frequent urination and defecation in public places
 - Loss of dignity
 - Enormous health risk
 - Negative effect on surrounding businesses and tourism

Current System

- Public toilets hours of operation limited to weekdays
- 2017 SaniTech toilet
- Only caters for 15 people per toilet
- Employed security – Public Safety Officer (PSO) - R5000 of the budget a month
- Levy is the only form of financial support





Solution



Partner up with an external company and surrounding businesses, to sponsor the implementation and upkeep of SaniTech toilets as part of their Corporate Social Investment (CSI). The facilities will be placed in the hotspots in and around Cape Town CBD. The areas covered by CCID run from Buitensingel to FW de Klerk Boulevard, and Buitengracht to Canterbury Street.

The company's duties would be to:

- Assist the project financially
- Assist in the upkeep of toilets - monthly purchasing of cleaning supplies and consumables

The surrounding businesses duties would be to:

- Assist in the monthly payment of salaries for security officers and cleaning staff

Approach - Prototype

Partnerships - Our prototype includes drawing up contracts/agreements to partner with an external company as well as surrounding businesses. These contracts serve two different purposes.



Investment Partnership Contract 1 covers:

- The financing & upkeep of Sanitech toilets as part of the businesses Corporate Social Investment.

Investment Partnership Contract 2 covers:

- Monthly contributions by a business towards the salaries of security officers and cleaning staff to ensure safety and cleanliness of and around the facilities.

Approach - Testing



Testing

- We won't be able to do any testing due to the current economic climate and COVID-19 lockdown restrictions that have impeded our progress
- Under normal circumstances; we would have reviewed the new toilets and conducted user acceptance testing.



Constraints

- Finding a credible company to fully invest in this project during the current economic situation could be challenging. With additional research however, we have found a list of credible companies that have proved to be in the top ten for having the most developmental impact:
 - Anglo American
 - SAB
 - Old Mutual
 - MTN
 - Telkom
- The company might lack sufficient community knowledge necessary to implement the best possible solution - CCID involvement comes in, due to experience

Outcome

By implementing our solution, we hope to achieve the following:

- Provide enough toilets that are accessible to all
- Improve safety and security of public ablution facilities
- Improve the quality of the toilet systems
- Reduce the number of people relieving themselves in public spaces
- Reduce health risk presented to society by public defecation