

elimination of odour

We believe that odour, though harmless, greatly reduces one's standard of living. Existing toilets in the camp are in the form of cubicles and with poor maintenance, odour tends to accumulate over time and linger in the cubicles.

Most of the refugees in Za'atari camp live in tents with little ventilation. With a toilet indoors, pungent odour would therefore be a great detriment as it would be trapped within the refugees' living space.

water conservation

Water is a limited resource in the Za'atari refugee camp. Hence, we want to reduce water usage in our design.

maximum safety

Because the toilet cubicles are located a considerable distance away from the refugees' tents, users are rendered susceptible to sexual harassment and attacks. We want to make a toilet that gives users an adequate sense of security and safety when they



CRITERION

minimum cost

We want to maximise the functionality of our toilet while minimising cost as much as possible. Our main reason would be that refugee camps do not have the luxury to spend a great amount on amenities. Also, we want to allow for large scale production of our product so that we can provide all refugees with a toilet.

convenience

We intend to encourage as many refugees as possible to use our toilet. Thus, user convenience really comes into play because the refugees would be deterred from using it once they feel that our toilet require too much trouble on their parts.

removal of bacteria

We intend to eliminate the propagation of diseases through improper sanitation facilities. Proper hygiene is at the crux of sanitation, and we want our toilet to mirror as high a standard of cleanliness as possible.

ADAPTATIONS

OUR DESIGN SHOULD TAKE INTO CONSIDERATION

Easy to operate sealing system

Waterless flush system

Indoor toilet

Materials easily procured in its place of usage

Easy to assemble and use

Fully disposable in sanitary ways