

CONCEPT

- A unique concept
- The first system for organized and safe utilization of human excreta

POSSIBILITIES

- Can be implemented anywhere in the world
- Offers solutions to MDG challenges in areas with high human density
- SuSan Design is ready for social-, impact- or financial investors
- Market ready for roll out - 200 million urban dwellers in Africa lack access to sanitation

SUSAN TODAY

- Concept tested and implemented in Uganda in 2011/12
- Implementation in Uganda planned to continue in 2012/13
- Funded to date by Bill & Melinda Gates Foundation

Sustainable Sanitation Design

- Sanitation as engine of economic growth

What is Sustainable Sanitation Design?

Sustainable Sanitation Design (SuSan Design) is a business minded foundation focusing on bringing sanitation facilities to users in urban areas, schools and refugee camps in developing countries.

What is the SuSan concept?

We utilize research from agricultural sciences and industrial/service design competencies to improve products and implementation strategies. Susan Design strategy is to create turnover by returning the nutrients from human excreta as a safe agricultural input for farmers. Amplifying the demand amongst farmers will generate incentives for establishment and operation of sanitation services (toilets=production units). In order to offer sanitation services, Susan Design will develop and manage a value chain with the tools/products necessary to run the business, such as low cost household sanitation products, urban public- and school sanitation units, storage- /transport containers, treatment process and application tools/services for the farmers.

How does it work?

SuSan Design upgrades human excreta from pathogenic material to safe agricultural fertilizers and soil improvers in 45 days. SuSan Design will partner with communities, governments, NGOs and impact investors to set up rational, functional and dignifying public toilet facilities in urban areas and peri-urban areas, schools and refugee camps. We set up a viable and comprehensive franchise to operate all the elements in the system.

Where is SuSan implemented?

SuSan Design development and first implementation has taken place in Uganda 2011/2012. The project proved that we are able to produce safe fertilizer and soil improvement products in 45 days. The treatment system is a low tech design easy to scale up.

Where is funding coming from?

SuSan Design has received funding from Bill & Melinda Gates Foundation. We are looking for partners to operate and secure product and service development and implementation.

What are the possibilities?

We are confident that it is possible to leapfrog unsound and non viable water based technology going directly to sustainable sanitation structures in urban areas, in schools, within the private household and in refugee camps - a true sustainable and technological leap.

Contact information:

Karsten Gjeffe
Phone: +47 41042275 - e-mail: karsten@susan-design.org - www.susan-design.org