Peepoople Emergency Response

Peepoople’s mission is to save lives by providing easy access to hygienic, dignified and affordable sanitation for the most vulnerable people on earth.

One prioritized focus area for Peepoople is to offer the Peepoo solution for emergency preparedness and response. In the event of emergencies and areas struck by disaster, the Peepoo has the potential to save lives on a massive scale by effectively preventing the spread of diarrhoeal disease at the source.

The Peepoo

Immediate Disease Prevention in Emergencies

The Peepoo is a single-use, hygienic, self-sanitising, completely biodegradable toilet in the form of a slim, elongated thin bag with a wide unfolding funnel and 5 gram of urea. Small and flexible, each Peepoo weighs only 10 grams. It is designed to be used once for defecation and urination. The barrier properties of the biodegradable film effectively contain the smell - making the Peepoo suitable for in-home/shelter usage.

The urea in the Peepoo works to rapidly inactivate pathogens in the excreta, transforming the faeces to valuable fertiliser. This unique sanitation technology, combined with its biodegradability, makes it safe and easy to dispose of the human waste without contaminating the environment. As a non-infrastructure based solution, the Peepoo is very flexible, environmentally sound and also saves scarce water resources.

In emergency sanitation systems, harmful organisms to be most concerned with are those that cause epidemics of diarrhoeal diseases. These are mainly connected to pathogenic bacteria, such as salmonella and Vibrio cholera. At temperatures above 20°C, the Peepoo has the capability to render these types of bacteria inactive in less than a week.

As a single-use system, the Peepoo solution is personal and clean. The unique sanitation technology and hygienic design of the Peepoo – combined with proven acceptance by a high percentage of users, easy accessibility for in-home/shelter sanitation and its capacity for rapid large-scale implementation – provide the conditions for effective disease prevention.
Peepoople Emergency Response Model

A Solution Developed with Women and Children Foremost in Mind

Women, girls and children constitute 80% of the world’s refugees and IDPs. The Peepoo is particularly beneficial for women, and their children, who:

- Women and children get a sanitary in-home/shelter toilet that is both convenient and private, eliminating the need to share public sanitation facilities that are often over-used and unclean.

- The Mothers can offer their children a safe and easily accessible sanitation option, which prevents them from defecating openly in the immediate environment.

- They do not need to venture outside to access a latrine, or go to the toilet under the cover of darkness at night, thereby reducing the risk of physical and sexual abuse.

It is well-known that diarrhoeal diseases alone contribute to between 25% and 50% of all deaths in camp situations. More than 80% of deaths occur in children under two years of age. It is our belief that the Peepoo offers a truly unique opportunity that will have a major lifesaving impact in emergencies.

The Response Model

Peepoople has developed an emergency response model to reach 50,000 beneficiaries in three weeks time by integrating the distribution of Peepoos with already established routines for Hygiene Promotion and soap distribution.

Peepoople Emergency Response Model provides implementation and education support to deliver in-home sanitation on a very short notice – on a massive scale.

The Model consists of three different parts: Processes, People and Products.

- **Processes** consist of a rapid cascading model to reach 50,000 People in three weeks time. Materials for training to implement the necessary processes, among others, include: Demonstration Material, Basic Hygiene Promotion, Training Program and Manuals.

- **People** required for the implementation are on three different levels: International Personnel (one Peepoople Promotion Coordinator and one Peepoople Logistic Coordinator), National Personnel (8-10 Promoters and one Driver) and Community Recruited Personnel (60-100).

- **Products** are the relief goods: Family Packs containing five Personal Packs (each consisting of 28 Peepoos, one disposal bag and a user instruction guide), with supporting products such as small buckets.
Supporting this is a family of products including: Peepoo Kiti (specially designed seat/holder) Peepoo Yizi (in-shelter privacy tent) for those with special needs, Peepoo Big Bags for collection - as well as equipment for training, staff equipment, communication and more as determined necessary to best respond to each particular emergency situation.

About Peepoople

Short history

Committed to help provide universal access to hygienic and dignified sanitation, Peepoople was established in 2006 by Ashoka-fellow Professor Anders Wilhelmson. Peepoople has its headquarters in Stockholm, Sweden. Since 2010 Peepoople has also had an office in Nairobi, Kenya and in Dhaka, Bangladesh.

Over a two-year period from 2006-2008, the Peepoo toilet was developed in collaboration with the Swedish University of Agricultural Science (SLU)* in Uppsala and the Royal Institute of Technology (KTH) in Stockholm - in addition to industrial partners selected for their specialised competences.

The Peepoo was successfully field-tested in different cultures and situations, urban slums as well as emergencies during 2008-2011 in Kenya, Bangladesh, India (Bihar), South-Africa, Haiti and New Zealand. All of these were conducted together with experienced partners such as German GIZ and Oxfam GB. These tests all confirmed high user acceptance and ease of implementation.

In mid-August of 2011, Peepoople finalised a contract for the design, manufacture and delivery of a fully-automatic, high-capacity Peepoo production line. This major commitment and financial investment by Peepoople is vital to help solve the global sanitation crisis in disaster areas as well as urban slums on a large scale. When the high-speed Peepoo production line becomes fully operational in November 2012, Peepoople will have a production capacity of up to half a million Peepoos per day – approximately 12 million Peepoos per month.

* The PhD thesis on the unique ammonia-based sanitation technology in the Peepoo can be downloaded on: http://diss-epsilon.slu.se:8080/archive/00002361/
Present engagement

In November 2010, the Peepoo was introduced in the Silanga area of the Kibera slum in Nairobi as a permanent solution. In Silanga, the Peepoo is now sold, used and collected – and is currently serving about **4,500 daily users**.

Following the earthquake on Haiti in January 2010, Oxfam GB conducted a validation of Peepoo as emergency response toilet in one of the IDP camps in Port-au-Prince. The Peepoo was listed for inclusion in the Oxfam catalogue in 2011, and is now being stockpiled by **Oxfam GB**.

**ACF France** has recently validated the Peepoo to be stockpiled in a quantity needed to provide hygienic sanitation for 20,000 people during a 2-month period in the event of emergency.

Peepoople is also an approved supplier to the **International Rescue Committee** and a first delivery has been shipped to IRC Haiti for deployment in IDP camps.

Contact us

Please contact us to discuss how we could make a difference - together:

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