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Children's village in Kenya gains access to clean drinking water (08/02/11)

In many areas in Kenya, access to clean drinking water is lacking. About 88% of the population has to walk long distances to find water or is forced to drink contaminated water. Children in particular suffer from waterborne diseases.

For the first time, an environmentally-friendly and independent water treatment plant from Trunz Water Systems offers a long-lasting solution for decentralized potable water supply in Kenya.

The children's village Diani, which is situated around 35km south of Mombasa in Kenya, currently houses 22 children and their carers and is familiar with the problem of contaminated water. At the children's home the staff cares for the basic needs of the orphans and neglected or abandoned children. It includes the improvement of the children's health, for example by providing clean drinking water for daily needs.

As a demonstration of the effectiveness of germ-free drinking water, the official dealer of Trunz Water Systems, Tomash International Ltd, installed its water trailer equipped with a Trunz Water System 200 in the village.

The water treatment plant mounted on a trailer is powered by renewable energy and operates independent of any power source. Solar panels and a wind generator produce enough energy to operate the water treatment plant. The plant supplies the village with sufficient drinking water and has the capacity to produce 15,000 litres of drinking water per day.

In order to provide local inhabitants with access to clean drinking water, a small water shop has been opened. The local population can buy drinking water for two Kenyan shillings (KES) (\$0.02) per litre. It is about ten times cheaper than the current lowest price for water which can be bought in 20 litre-tanks in stores. One quarter of the water shop's earnings is being reinvested in the children's education.

The plant generates enough energy to not only operate the water system, but also to illuminate the security lights in the children's village.

www.trunzwatersystems.com

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