



APPLICATION BULLETIN LOMBOK, INDONESIA

Background: The population of Lombok is about 2,5 million. The local inhabitants of Lombok are called Sasaks who make up 70% of the population and are the predominant group with Balinese, Chinese, Arabian, and Javanese and other ethnics groups making up the rest. Lombok, like many developing nations lacks basic infrastructure such as safe water, adequate sanitation facilities, schools and hospitals. Developed nations take safe water and sanitation as a 'given', yet there is little likelihood that the local government will supply these facilities in Lombok for the foreseeable future.

Partnerships and networks are increasingly recognised as effective means of achieving development goals, such as safe water and sanitation. The projects in this bulletin illustrate how the collaborative efforts of small organisations and individuals make a real and immediate difference to the lives of those living without access to safe water and sanitation. This project was a collaborative effort of the SkyJuice Foundation, Siemens Water Technology employees, Asia Water Foundation and Lombok Care.

The first deployment in Lombok was on the grounds of a school being constructed for handicapped children. In Indonesia, handicapped children are commonly shunned from society - typically sent away and kept out of sight from the public. Deployment partners in Indonesia, Lombok Care, have undertaken to construct a school to provide a healthy and happy environment for such children with proper care and support. An interesting aspect of this project is that our clean water project is positioned on the school grounds at the edge of a village with 800 inhabitants who have very limited access to clean water. Lombok Care's school for handicapped children will be sharing their water with all the people in the village, which will create closer interactions with the children at the school.



Unprotected feed water causing illness and disease for the community and school children in Lombok, Indonesia

The second SkyJuice safe water system was deployed in a village with approximately 200 families. The residents of this village currently retrieve their water from a stream adjacent to the village (photo page 1). The water in the stream is highly contaminated and is used by the families for all purposes - drinking, cooking, bathing, and by many as a latrine! The SkyHydrant water purification system was installed directly on this stream where pure, safe drinking water will be produced, thus providing safe water access for the families of this village.



As with previous projects, a water and sanitation education program will be supplied with material sourced from Asia Water Foundation, and then provided to the community through the local deployment partners, Lombok Care.

The SkyJuice Foundation has been working closely with Asia Water Foundation to develop the SkyTower as part of the SkyHydrant water purification system. The SkyTower is a 3.4 metre, lightweight aluminium tank stand (freighted as a flat pack) which can be erected in about two hours on site. The SkyTower will support two 1000 litre rigid water tanks, as depicted in the photo below. As part of the system, SkyJuice has also developed water troughs, splash back and special tap manifolds which enable many people to access the safe water simultaneously.

The generous donation by Siemens Water Technology employees has, and will continue to, make a real and tangible difference to the lives of hundreds of people in Lombok for many years to come. All components of the SkyHydrant water system are high quality and durable which means that the community will not be burdened with any ongoing maintenance costs.



Children enjoying easy access to safe potable water at the wash station, which includes bubblers and self closing taps



Local operatives receiving education on operations and maintenance of the SkyHydrant water purification system



The newly developed SkyTower offers a safe, sturdy tank stand with wash station for the school children