

# WATER EFFICIENCY

January 11, 2011

## Rotary Club Donated a Water Treatment Plant for Families

*Philippines* - The „Rotary Club Iloilo City“ with the financial contribution by the Rotary Club of Sae Goyang (South Korea) donated to the Barangay (district) Ban-Ag in the Municipality of Santa Barbara in Iloilo Province a solar-powered water treatment unit. The unit supplies the families in the district and people from neighbouring Barangays with safe drinking water at affordable prices.

The rural Brgy Ban-ag and its neighbours is the home to approx. 1'700 people. It's located on the Island of Panay in West Visayas, pretty much in the center of the archipelago. The inhabitants lack access to clean and safe drinking water as their wells show a high degree of contamination with bacteria and viruses – the catalyst of various waterborne illnesses.

Rotary donated a unit

The „Rotary Club Iloilo City“ decided to donate a solar-powered water treatment unit on the grounds of the Iloilo Doctor's College of Medicine Foundation Partnership for Health Project to improve the health level and thereby the quality of life of the inhabitants. A decentralised solution with the Trunz Solar Power Center (a compact Photovoltaic System for electrification of rural areas) and the Trunz Water Box TWB 002 (water treatment unit) was installed and launched by Trunz Water Systems in October 2010. The unit provides the inhabitants of Ban-Ag daily with circa 15'000 liter clean and safe drinking water – powered with renewable energy and without any chemicals.

Water to acceptable prices

So as to put a value on clean and safe drinking water and to finance maintenance and spare parts, the members of the community are asked to buy the water at an affordable token price. This makes the system self-sustaining. Five gallons water (18.9 liter) will be sold for 10 Philippine Pesos. This translates to EUR 0.15 per 18.9 liter-container or EUR 0.0079 per liter. It has been agreed that the pupils of the neighbouring Ban-ag Elementary School as well as the students of the Doctor's College get the water for free during their rural training units.

*Amount of signs incl. space: 2'111*

### **About Trunz Water Systems**

The Swiss based company Trunz Water Systems developed, manufactures and distributes sustainable and cost effective solutions for water purification and desalination as well as solar power centres. The innovative company offers sustainable solutions for the decentralised potable water and electricity supply in remote areas. The units are exceptionally energy efficient, independent, compact and environmentally friendly.

Up to now, over 450 Trunz Water Systems are already operating in more than 30 countries all over the world. All of the water treatment systems need low maintenance and are easy to install. The capacity depends on the raw water quality and ranges from 7'000 to 50'000 litres a day.

Trunz' innovative and environmentally friendly technology produces clean drinking water from polluted water and salt water with solar and/or wind energy. An ultrafiltration membrane or a reverse osmosis system (for sea or brackish water) removes all virus and bacteria (and salts) without requiring toxic chemical treatment.

*Number of signs incl. space: 1'058 signs*

Contact Switzerland  
Trunz Water Systems AG  
Technologie Center  
Andrea Trunz / Marketing

Ahornstrasse 1  
CH- 9323 Steinach  
Phone: +41 71 447 85 44  
E-Mail: [a.trunz@trunz.ch](mailto:a.trunz@trunz.ch)

[www.trunzwatersystems.com](http://www.trunzwatersystems.com)

Contact Philippines  
Green Energies Phils., Inc. (GEPI)  
Julie S. Pabroquez / Business Admin. Officer  
Unit 602 Civic Prime, Civic Drive  
Filinvest Corporate City, Alabang, Muntinlupa City  
Phone: +63 2 556 5453  
E-Mail: [julie.pabroquez@greenenergiesphils.com](mailto:julie.pabroquez@greenenergiesphils.com)

[www.greenenergiesphils.com](http://www.greenenergiesphils.com)

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