

INNOVATIVE SOLAR ENERGY BASED SYSTEMS SOLWA PRESENTED IN THE KIP PAVILION

By Xi Fang

The KIP Pavilion at Expo 2015 has been the home to innovative solar energy driven systems created for food and water treatment.

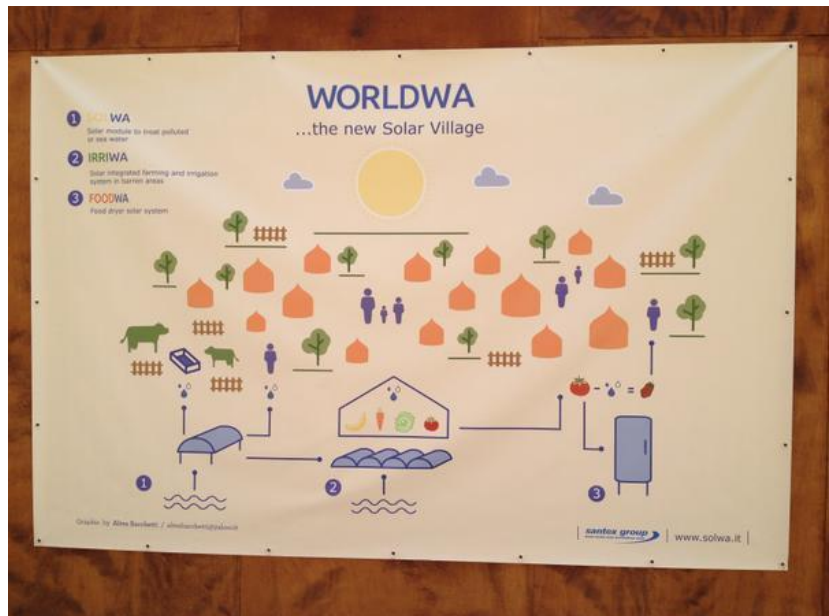
Solwa Srl. an Innovative Start Up presented all the solar systems designed for the environmental sustainability and the protection of natural resources in several *Green Technology* sectors

In particular, the solar systems presented in the Pavilion include a remarkable Solar Still designed for treat salty and polluted water, which is particularly useful for the many regions of the world where the lack of drinkable water is still a vital problem. Through the process of changing phase of water from a liquid state to a vapor state and the following condensation, Solwa is able to separate pollutants from pure water. The whole process is powered by solar energy and it does not require any chemical products, nor membrane-based treatments, thus it considerably reduces system operating costs and system maintenance. Solwa is a completely free-standing energy system and it is suitable for critical situations. The simple scalability of the system allows to suit the needs of small and medium isolated communities.

The other invention exhibited is called FoodWa, a system able to manage the drying process with solar energy, which is suitable for domestic and industrial needs.

Together with the Solwa team, it was presented also the group [Elliot for Water](#) led by the young inventor Andrea Demichelis, whose initiative aims to help the people in need of drinkable water with a new search engine.

By using the search engine developed by them, Elliotforwater.com, the users can contribute to help the people around the world for free simply by surfing the Internet. The search results, as well as the advertising, are provided by Yahoo! and Google.



Elliot For Water donates 70% of its profits to buy Solwa Technologies, solar energy based products that purify dirty or polluted water through desalination in order to provide drinkable water and help the irrigation of arid grounds. The technology will be sent by the group and installed by Solwa involving local people so that they will be able to become self-sufficient. *Elliot for Water* have already received several requests from different parts of the world, including one from Zimbabwe.

To know more

<http://www.solwa.it/en/>

<http://www.elliottforwater.com/about>

<https://twitter.com/elliottforwater>

