



## Eco-distiller running on solar power

[The eco-distiller running on solar power provides safe drinking-water for people.](#) Made just from terracotta and zinc-plated metal sheet, the device produces 5 litres of drinking water daily, through a direct solar-powered distillation process. Compared to traditional solar stills (being equal the surface irradiated by the sun), *Eliodomestico* is almost 3 times more efficient.

*Eliodomestico* is designed to function without filters, nor electricity, and requires minimal maintenance. Made from readily available materials, and traditional technologies, the system has no environmental impact, and delivers positive outcomes for local economies, because it's designed to be produced (and eventually repaired) by local craftsmen.

It is conceived like a household: it works autonomously during the day, just in front of people's houses. Its design is inspired from archetypal forms and materials. The distiller is very easy to use: in the morning simply fill the water tank with salty or dirty water from a local source, and in the evening collect clean, evaporated and re-condensed water in a portable recipient placed underneath the tank. The water is distilled, hence small quantities of salt can be added for enhanced health benefits.

The innovation has been selected among the 12 finalists at the *Prix Emile Hermés 2011* competition. *Eliodomestico* is an open project: the designer, Gabriele Diamanti, really wants it to be free to the people who need it. So it is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 2.0 Generic License.

For more information about the *Eliodomestico* and the license, please contact the designer:

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