

DOCUMENT 1 : Creating solar energy from trash



Electricity and hot water are a given in many parts of the world, but in the marginalised town of Garin, north of the Argentinian capital Buenos Aires, there used to be neither.

Things have changed thanks to ingenious but very simple solar panels made from recycled plastic bottles.

It's the result of an initiative by Argentinian NGO Sumando Energias, which directly involves local communities.

"This is a poor neighbourhood and sometimes we have no light or water," says resident Luis Alberto Quinona. "These recycled solar panels help us a lot, we have children and it's useful having light and hot water even though we have no electricity."

So how does it work? The homemade system is made of used soda cans, plastic bottles and milk cartons. As the sun heats the tubes of the solar collector, hot water flows into the storage tank. Volunteers paint the pipes black to adsorb heat from the sun. In this way, the solar collector keeps water hot all night long without the need for electricity or gas.

Volunteer Julien Laurençon quit his job in banking in Singapore to work on the project.

"Sustainable development and sustainable energy are important trends that we need to follow and foster," he says. "There is too much waste today. And I'm not just talking about Third World and developing countries. I believe that developed countries, too, have to follow this trend. Developed nations are the biggest polluters," he says.

<http://www.euronews.com/2016/11/15/creating-solar-energy-from-trash>
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DOCUMENT 2 : ZUBABOX



ZubaBox is a shipping container converted into a solar-powered internet café or classroom for people in need.

http://www.huffingtonpost.com/entry/solar-powered-zubabox-internet-shipping-container-rural-areas-refugee-camps_us_5757155ce4b0b60682df2435
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