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Sustainable Engineering and Technology

All round the world amazing engineers and inventors are looking for sustainable solutions to local and global problems. Often working with very basic tools and materials these extraordinary people strive to make the world a better place.





Plastic bottle solar lights

From Brazil to the Philippines and from Kenya to India millions of people across the world live in improvised shanty towns. Their accommodation has no access to running water or electricity and life is about day to day existence.

Alfredo Moser is a Brazilian mechanic who came up with the idea of using water filled plastic bottles to light up the inside of houses. The bottles are fitted into the roof of the house and use the natural light of the sun to illuminate the interior of the house.

Plastic Bottle Lights **The Alfredo Moser story**

Plastic Bricks

Plastic pollution is currently one of the most devastating global problems, with a truckload of plastic entering our oceans every second.



Around the world innovative engineers are finding ways to recycle plastic waste into bricks which can be used for paving, roof tiles and roads.

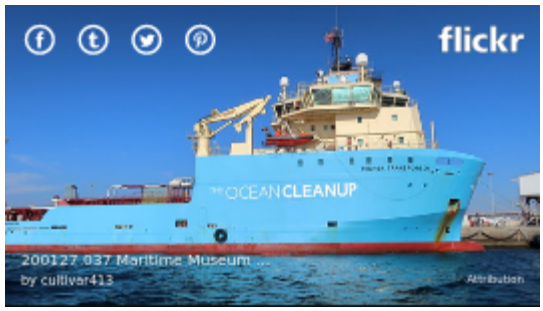
This is not a perfect solution to the plastic problem but it is a start.

Can you research what else recycled plastic is being turned into?

Plastic bricks in Kenya **Precious Plastic** **Solving Plastic**

Great Pacific Clean Up

Ocean Clean Up, a non-profit organisation, have just announced that they have removed the first 100,000 tons of plastic from the Great Pacific Garbage Patch (GPGP). The estimated mass of the GPGP is 100,000,000 tons...another 1000 times what has already being removed!



The Ocean Clean Up **The Great Pacific Garbage Patch**

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