

Latin American Herald Tribune - (VIDEO) Miracles of Engineering in Peru: Drinking Water Out of a Billboard

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LIMA – Peru’s University of Engineering and Technology (UTEC) was about to open the applications for the period 2013, so they needed to get students' attention.

Lima, the capital, and its surrounding villages such as Bujama are located in the coastal deserts of Peru. In these places, there were many people suffering from the lack of clean and potable water.

“Here in Bujama district most of us draw water from the well. It’s not nice and it’s polluted,” said Francisco Quilca, a Bujama’s district resident.

The rain in this region is almost zero, but its atmospheric humidity is about 98%. Inspired by this, UTEC built the first billboard that produces drinking water out of the air. The billboard has unique technology that captures the air humidity and turns it into drinking water.

“Each generator captures the air humidity and from there it goes to a reverse osmosis system. Each tank stores about 5.28 gallons of water. These 5 generators purify the vital liquid and its total is gathered in one tank,” said one of UTEC’s engineers involved in the project.

The billboard has already produced about 2,496.42 gallons of drinking water in a 3 month period, an amount that equals the water consumption of hundreds of families per month.

“They could put this in different places. If possible in every village, in each town, so water is generated through these billboards. The water really gives us life,” added Quilca.
