

GOOD PRACTICES AND TECHNOLOGIES

Reducing Footprint in Water

El Agua Nos Une – SuizaAgua América Latina



Automation of meters and control systems to optimize water extraction at the Toluviejo cement plant

SDG: 6.4 Water Efficiency .



Company / implementer
Cementos Argos - Toluviejo Plant

Sector:
ISIC 2394 Cement manufacturing.

Location: Toluviejo- Sucre.
9.482274, -75.594572

Update: 01 Feb. 2018



Results

- Savings in water extraction of approximately **108,138 m³/year**.



Other benefits

Savings:

- **10,922USD/year** due to a reduction in water extraction.
- Another additional benefit is a reduction of the risks generated by water shortages by having greater control of the water extracted.



Supplier References

Supplier No disponible.

Contact information: No disponible.



Implementing Company

Implementing Company: Cementos Argos Toluviejo Plant.

Contact information: Alexei Ávila.

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Description

Implementation of an ultrasonic meter system to display the inefficiencies of water use at the Toluviejo cement plant. This system makes it possible to measure the use of water in real time to allow faster decisions to be made in the areas that use water the most.

It also evidenced leaks in the distribution pipes of the collection system and in the water pumping system.



Operation and Investment Costs

Monetary Costs: 42,492USD broken down as follows:

- **15'000 USD** in the installation of meters;
- **27'492 USD** to fix the leaks and the pumping system.

Non-monetary costs: time of the workers responsible for installing meters, fixing the leaks and recording water use online.

Life span: approximately 15 years.



Limitations and Recommendations

Permanent staff is required to register and verify the values shown by the online meters.