GOOD PRACTICES AND TECHNOLOGIES
Reducing Footprint in Water
El Agua Nos Une – SuizAgua 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.

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.

Supplier References
Supplier: No disponible.
Contact information: No disponible.

Implementing Company
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