

## GOOD PRACTICES AND TECHNOLOGIES

Reducing WATER FOOTPRINT

El Agua Nos Une – SuizAgua América Latina

**Mexichem.**  
SOLUCIONES INTEGRALES

Savings of water in toilets

SDGs addressed: 6.4 Water efficiency



### Implementing Company

Mexichem Perú

**Sector:** 2013 Manufacture of plastics and synthetic rubber in primary forms

**Location:** Mexichem, El Agustino, Lima, Perú  
Coord. UTM 8'666,569.24 N 284,878.69 E

Last update: 2015, November



### Results

- Reduction in water consumption 797 m<sup>3</sup>/year



### Additional benefits

- Savings for reducing industrial water consumption 1,557.87 USD/year



### Supplier references

**Supplier:** Inecore / Andrés Salazar (asalazar@inecore.com)



### Implementing Company

**Implementing Company:** Mexichem Perú

**Contact information:** Karim Chacaltana Arauzo  
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### Description of good practice

After assessing water footprint of the Agustino plant, Mexichem identified that the highest quantity of consumed water came from domestic use. The Agustino plant has 44 bathrooms, 20 with conventional tanks (10 lt) and 24 with fluxometers, which is a mechanism of water discharge for toilets, urinals and faucets that uses a water network with a pressure higher than normal to produces an abundant and short-term discharge, generating a deficiency in the use of water resources and therefore an economic overload for the company. Mexichem implemented 20 'Ecoabaños' devices that allow savings of 4 liters of water per discharge, which represents a daily saving of 108 liters per installed device. In parallel, there were workshops for the 400 employees of the company on the subject of care and good use of water resources, showing the savings generated with the "Ecoabaño" devices.



### Investment and operational costs

**Costs:** 1,240.90 USD/12 months  
**Lifespan:** 10 years



### Recommendations and limitations

- No recommendations



### Applications

Activación Nestlé Perú. <https://www.youtube.com/watch?v=QxdB9uwDy7U>



### References / links

- Water dragon. <https://www.youtube.com/watch?v=5F03x6Hy6Ak>
- Inecore. <http://inecore.com/>
- Saving water. <https://www.youtube.com/watch?v=WVhoPFgBfvs>
- Agencia Suiza para el Desarrollo y la Cooperación COSUDE, ONG Agualimpia, Empresas socias (2015). Guía de buenas prácticas para el uso eficiente de agua en empresas SuizAgua Andina Perú. In: <http://bit.ly/GuiaBuenasPracticasSuizAguaPeru>