

GOOD PRACTICES AND TECHNOLOGIES

Reducing WATER FOOTPRINT

El Agua Nos Une – SuizAgua América Latina



Coating floors with polyurethane for optimization of cleaning processes in production plant

SDGs addressed: 6.4 Water efficiency



Implementing Company

Camposol

Sector: 1030 Processing and preservation of fruit and vegetables

Location: Camposol, Chao, Trujillo, Perú
Coord. UTM 9°052,973.96 N 756,912.96 E

Last update: 2015, November



Results

- Reduction of consumed water: 39,185 m³/year



Additional benefits

- Savings for reduction of industrial water consumed: 76,588.78 USD/year



Supplier references

Supplier: Engineering Division (Internal)



Implementing Company

Implementing Company: Camposol



Description of good practice

Camposol noticed high consumption of water in cleaning and packing processes. It occurred because there were rugged cement floors which made more difficult the cleaning process, even it was necessary to use more water, disinfectants and man-hours to keep areas without contaminants.

Camposol proposed coating floors with polyurethane in selected areas. This material is smooth and facilitates the cleaning process because it needs less water to wash. This project allows savings in water resources.

Coating floors with polyurethane covered 12,064 m² in freezing and packing processes of asparagus, artichoke, pepper and blueberries

Principal Activities: technical study, floors coating of 7 production areas, water consumption monitoring, communication



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Investment and operational costs

Costs: 184,161.81 USD/12 months

Lifespan: 50 years



Recommendations and limitations

- Personal in charge must be trained to apply new cleaning processes.



Applications

Do not apply



References / links

- 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>