

## Waste water re-use

### Member company

#### ACERINOX EUROPA S.A.U.

### The Challenge

Overexploitation of scarce resources. Specifically, ACERINOX EUROPA wants to help combat the devastating effects of drought.

### Why?

Acerinox Europa is a great reference in the industrial sector in Campo de Gibraltar and, in turn, a model company in the European framework in environmental matters. Respect for the environment is one of its priorities, making it an example of a sustainable industry committed to the fight against climate change and overexploitation of scarce resources. One of the problems in the South of Spain is the

water scarcity done to decrease in rainfall.

For this reason, the Environmental Section from ACERINOX EUROPA, has made a significant effort searching ways to become better water stewards and reduce our 'water footprint'.

### Needed action

To use waste water as process water and auxiliary processes, such as:

1. Cleaning streets. At the same time, this action will also reduce diffuse emissions from material transport. **IMPLEMENTED**.
2. Industrial cleaning with suction-blow pump trucks. **IMPLEMENTED**.
3. Watering gardens. **IN PROGRESS**.



Image 1. Wasted water is refilled to a tanker truck with own pump from gutter.

### Action review

*Specific:* To improve the environment making productive use of scarce resources.

*Measurable:*

- Decreasing consumption in water intake. Measured by water meter.
- Reducing the 'blue water footprint'.



Image 2. Tanker truck watering lanes with wasted water.

*Achievable:* At this time, the discharged water after the neutralitation process is being used to watering lanes and yards to avoid dust, cleaning streets and industrial cleaning, saving 400 m<sup>3</sup> per week.

*Realistic:* Water manhole, stage of the irrigation system, PVC and polyethylene valves, accesories, tubes and water manhole are to be installed.



Image 3. Tanker truck industrial cleaning.

*Time-bound:* ACERINOX EUROPA considered starting this process with a first phase watering lanes and yards



Image 4. Tanker truck industrial cleaning.

to avoid dust, cleaning streets and industrial cleaning in August 2022. As a consequence of the good results, ACERINOX EUROPA will use this water for

watering gardens too. In progress.

### Horizontal Expansion Capability

ACERINOX EUROPA will communicate it to all associated companies and to the competent authority for the matter.

### Outcome

- Water consumption has been reduced (-400 m<sup>3</sup> per week, approximately)
- Diffuse emissions from traffic, waste produced by handling and pre-treatment of raw materials have been reduced.