



# Case

## Recycled water in the polishing and grinding process

As a part of the standard levelling feet production there is a process, where the metal part is grinded and polished with vibratory finishing. This process ensures a good quality surface and makes sure the surface will not be contaminated from the environment where the product is being used.

The technology uses water to clean the parts and keep the temperature low during grinding - this adds up to an estimated water consumption of approximately 25 L/h. NGI has 6 machines which are running approximately 18 hours a day. This adds up to a yearly water consumption of 675.000 liters.

NGI has a recycling system, where the water is running through a filter and then recycled into the machines. Therefore, the water consumption is lowered to approximately 2 L/h per machine. This means the new yearly water consumption is estimated to about 54.000 liters using this recycling system.



**Before:**

Annual water consumption

675.000 L

**After:**

Annual water consumption

54.000 L



Annual consumption  
reduced by:  
**92%** ↓