



Process water for laundry application

Aruba, 10 m3/h of process water from borehole

Aim of the Project

Lenntech has engineered, manufactured, assembled and started a water treatment system to produce fresh water for laundry application, from borehole water in Aruba.

The plant features a pretreatment with multistage filtration and UV disinfection, a main treatment with reverse osmosis (RO) and post treatment with dosing stations for disinfection.

The installation is fully automated and produces 10 m3/h of usable water for the laundry.

The system is completely from European origin, with CE marking.

Scope of Work

- ✓ Engineering, manufacturing and assembly
- ✓ Skid mounted system
- ✓ Multimedia filtration
- ✓ UV disinfection
- ✓ pH adjustment and antiscalant dosing
- ✓ Cartridge filtration
- ✓ RO system
- ✓ Chlorine disinfection
- ✓ CIP station
- ✓ Distribution system
- ✓ PLC controlled system
- ✓ Full automation during process
- ✓ Site commissioning

Plant specs

❑ Feed water quality

E. Conductivity : 11 000 $\mu\text{S}/\text{cm}$

Hardness: 900 ppm CaCO_3

❑ Product water quality

E. Conductivity: < 500 $\mu\text{S}/\text{cm}$

Hardness: < 5 ppm CaCO_3

Project duration

- ❑ **Engineering/Manufacturing:** Feb-Nov 2023
Commissioning: January 2024