



Case History

Water reuse in ceramic Company

Background

Ceramica Dolomite the most important Italian company manufacturing ceramic for the healthcare industry, wanted to recover the waste water of ceramic working process, to reduce the consumption of drinking water used in production. In collaboration with serenambiente srl Company , Alfawater provided a preassembled battery of filtration.

Solution

Alfa water filters were installed after the treatment of clariflocculation and sedimentation . The effluent water from the sedimentation tank is filtered by a AMA filters with 5 micron filtration degree.

The filtered water is stored in underground tanks and reused for:

- a) Cooling system
- b) Molds washing

The system works 24h/24h, with an average recovery of water equal to 150,000 m³/year.



Location:

Italy

Application:

Process water reuse

Flow Rate:

40 m³/h (24/24 h)

Filtration degree: 5 µm

Water source:

Ceramic Industry

Year of revamping system: 2016



