



Process water production for chloralkali industry

Algeria, 600 m³/d

Aim of the Project

Lenntech has engineered, manufactured and assembled an installation to meet the requirements for a chloroalkali industry for soft and demineralized water to be used as process water. The installation is composed of multimedia filtration (MMF), double pass reverse osmosis (RO) system, electrodeionization (EDI) and ion exchange softener (IEX). The installation is fully automated and enables the production of two product streams, 15 m³/h of soft water and 10 m³/h demineralized water.

The system is completely from European origin and it is delivered with a certificate of origin.

Scope of Work

- ✓ Engineering, manufacturing and assembly
- ✓ Skidmounted system
- ✓ Chlorination dosing
- ✓ MMF system
- ✓ Dechlorination dosing
- ✓ Antiscalant dosing
- ✓ Cartridge filtration
- ✓ 1 Pass RO system
- ✓ CIP station
- ✓ 2nd Pass RO system
- ✓ pH adjustment
- ✓ EDI system
- ✓ IEX softener
- ✓ PLC controlled system
- ✓ Full automation during process
- ✓ Site commissioning

Plant specs

❑ Feed water quality

TDS: 16300 ppm

Ca: 1069 ppm

Mg: 1064 ppm

❑ Product water quality

Softened water: Ca + Mg < 0.5 mg/L

Ultrapure water: EC < 1 microS/cm

Project duration

- ❑ September 2019 to September 2021