



Wastewater reuse in tobacco industry

Italy, 1200 m³/d

Aim of the Project

Lenntech has engineered, manufactured and assembled an Electrodialysis Reversal (EDR) plant to treat the wastewater stream for tobacco plant in Italy. EDR purifies the wastewater stream enabling its reuse as process water at a recovery rate of 95%.

The provided EDR allows to work at a high water recovery, while automatically regulating the salt cut to meet client requirements.

The EDR system can cope with considerable high organic concentration in feed water and overcomes existing problems on running reverse osmosis system.

Scope of Work

- ✓ Engineering, manufacturing and assembly
- ✓ EDR system 95% recovery
- ✓ Feed pump
- ✓ Brine pump
- ✓ Safety strainer
- ✓ Chemical dosing stations
- ✓ Degasifier
- ✓ DC rectifiers
- ✓ Cleaning In Place station
- ✓ Acid and Antiscalant dosing
- ✓ Site commissioning and after sales service

Plant specs

- ☐ **Feed water quality**
EC: 2000 microS/cm
- ☐ **Product water quality**
EC: <900 microS/cm

Project duration

- ☐ **May 2019 to November 2019**