



WATER SOFTENER FOR TOBACCO INDUSTRY

The Netherlands, 840 m³/d

Aim of the Project

The project concerns the upgrade of the treated water line for a tobacco manufacturing facility. The incoming tap water requires softening prior to use in production in order to extend equipment lifetime and to properly condition the water for the existing downstream treatment processes.

Lenntech engineered and supplied a duplex softening unit designed to meet strict performance and quality requirements. System regeneration is triggered based on treated water volume, and an additional hardness sensor is installed on the treated water line to continuously verify system performance.

The new softening unit operates alongside the existing softener to increase the overall softened water capacity available at the factory. Both systems run in parallel to ensure reliable and sufficient supply for production.

The installation is equipped with microprocessor together with automatic softener valves, enabling fully automated operation and regeneration according to the factory's real-time water demand.

Scope of Work

- ▶ Engineering, manufacturing and assembly
- ▶ Installation and commissioning
- ▶ Duplex softener for uninterrupted operation
- ▶ Flow control
- ▶ Hardness monitoring
- ▶ Skid mounted with PP piping
- ▶ Top brand equipment selected according to client's preferences

▶ FEED WATER QUALITY

Hardness: 180 mg CaCO₃/L

▶ PRODUCT WATER QUALITY

Hardness: < 10 mg CaCO₃/L

Key accomplishments

WATER
RECOVERY

< 95%

HARDNESS

< 10

mg CaCO₃/L

DUPLEX
CONFIGURATION FOR
UNINTERRUPTED
PRODUCTION