



Wastewater REUSE for textile industry

Bangladesh, 3 m³/h of process water from wastewater

Aim of the Project

Lenntech has engineered, manufactured, assembled and started a water treatment system to produce process water for a textile production chain, from same-factory's wastewater in Bangladesh. The plant features a pretreatment with dissolved air flotation (DAF), electrocoagulation (EC) and Ultrafiltration (UF) and a main treatment with reverse osmosis (RO).

The installation is fully automated and produces 3 m³/h of usable water for the textile production.

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

Scope of Work

- ✓ Engineering, manufacturing and assembly
- ✓ Container mounted system
- ✓ pH adjustment and antiscalant dosing
- ✓ Dissolved air flotation
- ✓ Electrocoagulation
- ✓ Ultrafiltration
- ✓ Cartridge filtration
- ✓ RO system
- ✓ CIP station
- ✓ Distribution system
- ✓ PLC controlled system
- ✓ Full automation during process
- ✓ Site commissioning

Plant specs

☐ Feed water quality

E. Conductivity : 1000-5000 μ S/cm

☐ Product water quality

E. Conductivity: < 200 μ S/cm

Project duration

- ☐ Engineering/Manufacturing: Sept-Feb 2024
- ☐ Installation/Commissioning: Sept 2025