



Cooling Tower Blow Down Re-Use

Switzerland, 300 m³/day

Project Description:

Lenntech has engineered, installed and commissioned a turnkey pilot system pertaining MMF, followed by UF, GAC and IX softening, as a last step the water is demineralized with use of a high recovery CCRO system (93%) for cooling tower make-up water in Switzerland. The treated water is used as make-up water for the cooling tower in order to maintain conductivity < 850 uS/cm. In this way a lot of tap water can be saved as make-up water. The complete system is equipped with top brand instrumentation, advanced automation and equipment. The system is completely from European origin and is delivered with a certificate of origin.

Scope of Work:

- Engineering, manufacturing and assembly
- Containerized system with air-conditioning
- Multimedia filtration
- Ultrafiltration (hollow fiber)
- Granular Activated Carbon (100% Redundancy)
- IX softener
- Close Circuit Reverse Osmosis
- Chemical cleaning station
- Siemens PLC
- Site installation and commissioning

Project duration:

February 2018 to December 2018

Project location:

Switzerland

Product quality:

Conductivity < 30 uS/cm

Project application:

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Typical contract amount:

350.000 – 600.000 EUR

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WATER TREATMENT SOLUTIONS