



## Cooling water supply for a datacenter

The Netherlands, 68 m<sup>3</sup>/h

### Project Description:

Lenntech has engineered, manufactured and assembled a turn-key water treatment system for cooling water supply for a datacenter. Having purified water as make-up water will allow a reduction of water consumption by 20% in the cooling units, and consequently waste water (blow-down) minimization.

Purified water availability is of extreme importance of the end-user. Therefore 2x50% redundancy is prepared regarding the reverse osmosis unit. The product distribution pump sets are 3x50% with independent power supply to each pump, in order to guarantee cooling water to prevent any downtime in the datacenter.

Complete system is containerized, minimizing site works, compact, plug-and-play solution.

### Scope of Work:

- Engineering, manufacturing and assembly
- Feed pumps
- Cartridge filtration
- Reverse osmosis unit
- Recirculation pump over buffer tank, with bacteria control
- Chemical treatment
- Distribution pump system, independent power supply
- Siemens PLC
- Containerization
- Site commissioning
- Remote monitoring
- Service and maintenance

### Project duration:

February 2017 to September 2017

### Project location:

Amsterdam, the Netherlands

### Product quality:

100 ppm TDS, disinfected and conditioned

### Project application:

Cooling water supply for Evaporative cooling unit

### Typical contract amount:

300.000 – 500.000 EUR

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WATER TREATMENT SOLUTIONS